Waterbury Board of Education

THE CITY OF WATERBURY 236 Grand Street Waterbury, CT 06702 203-574-8009

MEMORANDUM

FROM: Carrie A. Swain, Clerk
Board of Education

DATE: November 5, 2024

TO: Michael J. Dalton, City Clerk

SUBJECT: Notice of Workshop/Committee Meetings, November 7, 2024, Driggs School

The Committees of the Board of Education will meet on Thursday, November 7, 2024, 5:30 p.m., Driggs School, Gymnasium, 77 Woodlawn Terrace, Waterbury, Connecticut.

This meeting will be broadcasted live on the City of Waterbury's Government Access Channel (Comcast 96, Frontier 6096) and streamed live on YouTube at https://youtu.be/X_HmVpK5QT8.

AGENDA

SILENT PRAYER

PLEDGE ALLEGIANCE TO THE FLAG

PUBLIC SPEAKING

PRINCIPAL'S REPORT – Dr. Jennifer Rosser

1. *Committee of the Whole/30 minutes* ~ Presentation regarding Superintendent Search process - C. Lamb, T. Shaw, JG Consulting.

2. *Committee of the Whole/30 minutes* ~ 2024 Summer Learning Updates – G. Gopie, Dr. Johnson, et al.

2a. *Committee of the Whole/6 minutes* ~ Report: October 1, 2024 Enrollment (ED006) – N. Albini.

3. *Committee of the Whole/5 minutes* ~ Request approval to file a non-priority grant application with the Commissioner of Administrative Services for the following proposed projects:
   a) Proposed Driggs Elementary School Elevator Project.
   b) Proposed Generali Elementary School Elevator Project.
   c) Proposed Tinker Elementary School Elevator Project.
   d) Proposed Wilson Elementary School Elevator Project.

4. *Committee of the Whole* ~ Request approval of the preparation of schematic drawings and outline specifications for the following proposed projects:
   a) Proposed Driggs Elementary School Elevator Project.
   b) Proposed Generali Elementary School Elevator Project.
   c) Proposed Tinker Elementary School Elevator Project.
   d) Proposed Wilson Elementary School Elevator Project.

5. *Committee of the Whole* ~ Request approval of the establishment of a Building Committee for the following proposed projects:
   a) Proposed Driggs Elementary School Elevator Project.
   b) Proposed Generali Elementary School Elevator Project.
   c) Proposed Tinker Elementary School Elevator Project.
   d) Proposed Wilson Elementary School Elevator Project.

6. *Committee on Finance/3 minutes* ~ Request approval to apply for the Connecticut State Department of Education 2024-2025 Carl D. Perkins Grant – L. Allen Brown, M. Merati.

7. *Committee on Finance/3 minutes* ~ Request approval of Amendment One (1) to the Professional Services Agreement (#7948) with Benchmark Education Company, LLC for Core Elementary Reading and Language Arts Program K-5 – J. Frenis.

8. *Committee on Finance/5 minutes:*
   a) FYI - ARP/ESSER Update – D. Biolo.
   b) FYI - FY 25 Quarterly Expenditure Report – D. Biolo.

9. *Committee on Finance/3 minutes* ~ Request approval of a Contract (RFP #8015) with Tucker Mechanical, Inc. to provide Districtwide HVAC Chiller Maintenance Services – N. Albini.

10. *Committee on Finance/3 minutes* ~ Request approval of a Contract (RFP #8226) with A & J Generator and Equipment, LLC, to provide Districtwide Generator Maintenance Services – N. Albini.

11. *Committee on Finance/3 minutes* ~ Request approval of Amendment Two (2) to the Professional Services Agreement (RFP #7689) with Facilities Compliance Fire Protections, LLC for Fire Suppression Equipment Testing and Maintenance – N. Albini.

12. *Committee on Building & School Facilities/2 minutes* ~ Use of school facilities by school organizations and/or City departments – N. Albini.

13. *Committee on Building & School Facilities/2 minutes* ~ Use of school facilities by outside organizations and/or waiver requests – N. Albini.

14. *Interim Superintendent's Update* ~ Dr. Schwartz.

15. *Interim Superintendent's Notification to the Board/5 minutes:*
    a. Athletic appointments:

Name	*Position*	*Location*	*Effective*
Johnson, Eric	Assistant Boys Basketball	WCA	12/05/24

    b. Grant funded appointments:

Name	*Position/ Location*	*FT/ PT*	*Rate*	*Union*	*Funding Source*	*Effective*
Cohen, Esther	Tutor (Non-Cert) Bais Yaakov	PT	$25/hr	NONBOE	Title I-A 23-25	10/24/24
Collins, Christopher	Hall Monitor Crosby	PT	$15.71/hr	NONBOE	SIG 8 -CHS 24-25	11/07/24
Denihan, Emma	Classroom Assist. Wilson	FT	$21.96/hr	UPSEU 68	Title I DW 24-26	11/07/24
Huang, Shaoshi	Tutor (Certified) Gilmartin	PT	$35/hr	NONBOE	Title I DW 24-26	10/17/24
Muniz, David	Prevention Spec. NEMS	FT	$19/hr	UPSEU 69	Title I DW 24-26	10/24/24
Rivera, Sheyla	Hall Monitor WAMS	PT	$15.71/hr	NONBOE	I-D Magnet WAMS 24-25	11/07/24
Romero, Sandra	Family/Comm./ Engagement Manager	FT	$80,000/ annually	FMAA	Title I DW 24-26	11/12/24
Sotelo, Stephanie	Hall Monitor Wallace	PT	$15.71/hr	NONBOE	Title I-A 23-25	10/10/24
Williams-Coleman, Brittany	Hall Monitor WAMS	PT	$15.71/hr	NONBOE	I-D Magnet WAMS 24-25	11/14/24

c. 21st Century and SDE After School Program Appointments effective immediately:

ACADEMIC ACADEMY			
21st Century	Teacher	Gilday	Michael
21st Century	Teacher	Mirando	Cynthia
21st Century	Teacher	Terenzi	Timothy
BUCKS HILL			
21st Century	Teacher	Qosja	Blerina
21st Century	Rec Specialist	Hernandez	Diana
CHASE			
21st Century	Teacher	Campbell	Lloyd
HOPEVILLE			
SDE	Administrator	Williams	Chelcey
SDE	Teacher	Vinca	Valmira
NORTH END MIDDLE			
SDE	Teacher	Doms	Gregory
SDE	Teacher	Quinones	Adriana
WALSH			
21st Century	Administrator	Acevedo	Paul
21st Century	Administrator	Johnson	Tennyson
21st Century	Administrator	Wilson	Maureen
21st Century	Teacher	Acevedo	Paul
21st Century	Teacher	Bisaillon	Bret
21st Century	Teacher	Holmes	Erin
21st Century	Teacher	Maldonado	Joanne
21st Century	Teacher	O'Neill	Patrick
21st Century	Teacher	Segarra	Israel
21st Century	Teacher	Terenzi	Timothy
21st Century	Teacher	Vargas	Shirelle
WEST SIDE MIDDLE			
21st Century	Rec Specialist	Torres	China

d. Extended School Hour (ESH) Appointments effective immediately:

School	*Last Name*	*First Name*	*Assignment*
Carrington	Steffaro	Melissa	Teacher/Sub Admin
Kingsbury	Guedelha	Norma	Secretary
Washington	Ramirez	Inez	Admin
	Fitzgerald	Kris	Secretary
	Gray	Stacy	Teacher
	Dematteis	Jennifer	Teacher
	Santos	Melanie	Teacher
	Albanese	Thomas	Substitute Teacher
	Corbo	Cherie	Substitute Teacher
	Doyle	Kiley	Substitute Teacher
	Kouakou	Sherene	Substitute Teacher
	Maloney	Erin	Substitute Teacher
	Benzinger-Rose	Nicole	Substitute Teacher
	Perez	Eileen	Parent Liaison
	Boccichio	Judith	Para
	Zafar	Ghazala	Para Sub
	Williams	Athena	Para Sub
	Brown	Tim	Substitute Teacher
Wendell Cross	Cullen	Donna	Admin
	Rizzo	Lisa	Teacher
	Gasparri	Michelle	Teacher/Sub Admin
	Murphy	Kelly	Teacher

	Jusino	Jillian	Teacher
	Irizarry	Angelina	Teacher
	Norton	Dianna	Teacher
	Rocco	Margaret	Parent Liaison

e. Miscellaneous appointments:

Employee	*Position/Location*
Sargis, Kristen	Sub-Teacher – Walsh Priority School 24/25 Before/After
Santiago, Carlamary	Sub Classroom Assistant – Maloney Before/After Care

f. Resignations:

Name	*Assignment*	*Effective*
Hart, Rebecca	Generali/Grade 1-2 ABA Special Ed	11/27/24
Shurtleff, Christian	Crosby/Social Studies	11/15/24
Thornton, RoseAnne	Reed/Library Media Specialist	12/03/24

ADJOURNMENT

ATTEST: _____
Carrie A. Swain, Clerk
Board of Education

#2

WATERBURY
PUBLIC SCHOOLS

2024 Summer Learning Updates

Elementary School Summer Learning

WATERBURY
PUBLIC SCHOOLS

Elementary Summer Learning

The goal of the Extended Academic Support 2024 Summer Elementary Program was to Reimagine learning and Re-inspire students, through an accelerated approach to learning, by providing & Implementing:

Daily SEL Lessons	STEM	ELA	Math	Enrichment
SEL Daily Implementation Second Step Program new this year. Weekly Focus Topics -Growth Mindset and Goal Setting -Emotion Management -Empathy and Kindness -Problem Solving	*Grant Funded Grades 4-5* *Carrington, Duggan, Reed and Wendell, funded by generous support from the Overdeck Family Foundation.* Promoting -Innovation -Imagination -Exploration -Creation STEM Kits -Bot Ann-E -NIHFTY Bot (Acronym for National Inventors Hall of Fame) Focus Topics -Coding	ELA Focused **Supports IRP State Requirements* -Foundational Skills -Phonics Instruction -Fluency Instruction -Research & Inquiry based lessons *~Building Background* utilizing Wonders Unit 1 for the upcoming grade level	Freckles -Inquiry Based Lessons -Interdisciplinary -Real Life Topics Topics Included Importing & Exporting Sea Turtles Passing Bills into Laws Olympics *& More...* Ready Core --Enrichment Activities *~Promotes Critical Thinking* *~Builds Computational Fluency*	Spirit Days *-Color Wars* *-Crazy Hat* *-Sports Theme* *-Wacky Socks* *-Superhero* *-Hawaiian Luau* Virtual Field Trips *-Aligned & embedded in ELA and Math*

WATERBURY PUBLIC SCHOOLS

Elementary Summer Learning



- **Attendance: EAS 2024 Weekly Totals**
  - *(EAS Weekly Totals do not include ESY Specialized Programs)*

Week Ending	July 13th	July 20th	July 27th	August 3rd
Carrington	195/298	198/298	192/298	195/298
Gilmartin	149/223	157/223	161/223	151/223
Duggan	188/232	184/232	175/232	172/232
Reed	307/428	333/428	345/428	362/428
Wendell Cross	105/140	121/140	111/140	109/140
Program Weekly Total	944/1321 71%	993/1321 75%	984/1321 74 %	989/1321 75%

Total Program Average Attendance:
74% of the 1,321 registered students **attended the EAS Elementary program from 7/10-8/3**

PUBLIC SCHOOLS

Elementary Summer Learning

- **Attendance: EAS 2024 Totals per Grade**
  - *(EAS Totals do not include ESY Specialized Programs)*

Grade	Number of students	Percent %
Kindergarten	164/230	71%
First	276/354	78%
Second	220/330	67%
Third	176/246	72%
Fourth	96/146	66%
Fifth	50/76	66%

Total Program Average Attendance: ***982/ 1,356***
of registered students **attended the EAS Elementary**

WATERBURY PUBLIC SCHOOLS

Elementary Summer Learning

Academic: Pre & Post ELA/Math Data for EAS 2024

- (Data indicates: Total Program % Growth of students from Pre to Post, by grade level, who completed ***BOTH*** the Pre & Post Assessments)

Total Program Growth	ELA 56% Growth	Math 53% Growth
Kindergarten	94/150 63%	145/164 44%
Grade 1	131/239 55%	106/225 47%
Grade 2	108/202 53%	83/179 46%
Grade 3	102/159 64%	90/147 61%
Grade 4	54/88 59%	49/83 59%
Grade 5	20/45 44%	26/44 59%

WATERBURY PUBLIC SCHOOLS

Elementary Summer Learning: Magnet Schools

- **Attendance: EAS 2024 Weekly Totals**
  - *(EAS Weekly Totals do not include ESY Specialized Programs)*

Week Ending	July 13th	July 20th	July 27th	August 3rd
Maloney	44/50 (88%)	43/50 (86%)	41.5/50 (83%)	36/50 (72%)
Rotella	42/46 (91%)	42/46(91%)	43/46 (93%)	40/46 (87%)
students enrolled Total Program Average Attendance:				

WATERBURY PUBLIC SCHOOLS

Rotella Interdistrict Magnet School

Total Program Growth	ELA Growth	Math Growth
Kindergarten	9/9 (100%)	8/9 (89%)
Grade 1	3/6 (50%)	6/6 (100%)
Grade 2	9/9 (100%)	6/9 (67%)
Grade 3	10/11 (91%)	11/11 (100%)
Grade 4	7/8 (88%)	8/8 (100%)

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Maloney Interdistrict Magnet School

Total Program Growth	ELA Growth	Math Growth
Kindergarten	2/4 (50%)	3/4 (75%)
Grade 1	10/18 (56%)	11/18 (61%)
Grade 2	9/12 (75%)	10/12 (83%)
Grade 3	4/8 (50%)	5/8 (63%)
Grade 4	3/4 (75%)	3/4 (75%)

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The Summer Slide

A regression in academic proficiency due to summer break. The summer slide not only erodes the gains made during the previous school year but also sets students back at the start of the new school year, creating a cycle of catch-up that can affect long-term educational outcomes (Neves, 2024).

- Students, on average, lost between 25 – 30 percent of their school-year learning over the summer (Atteberry & McEachin, 2016).

- Students may lose up to two months of reading proficiency over the summer, a substantial setback that can accumulate over time (Pitcock, 2018)

- Between 70% and 78% of students experience a decline in math skills over the summer across elementary grades (Kuhfeld, 2019).

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Literacy

Grade	Attended Summer School	# of Students	MCLASS Average Diff EOY to BOY	Diff
K	Yes	122	-76	21
	No	1064	-97	
1	Yes	196	-111	14
	No	1023	-125	
2	Yes	168	-103	6
	No	1069	-109	
3	Yes	124	-105	5
	No	974	-110	
4	Yes	68	-105	2
	No	1084	-104	
ALL	Yes	659	-101	8
	No	5233	-109	

On average, students declined 108 scale score points from EOY spring 2024 to BOY fall 2024 in ELA on the mclass Dibels assessment

Students that did NOT attend summer school DECLINED MORE in ELA than students that attended summer school

WATERBURY PUBLIC SCHOOLS

Math

Grade	Attended Summer School	# of Students	IREADY Average Diff EOY to BOY	Diff
K	Yes	122	-6	2
	No	1064	-8	
1	Yes	196	-10	3
	No	1023	-8	
2	Yes	168	-2	0
	No	1069	-2	
3	Yes	124	-4	0
	No	974	-3	
4	Yes	68	-4	0
	No	1084	-4	
ALL	Yes	659	-6	1
	No	5233	-5	

On average, students declined 5 scale score points from EOY spring 2024 to BOY fall 2024 in math on the iReady assessment

There was NO difference between the students that attended summer school and the students that did not attend summer school in math

WATERBURY PUBLIC SCHOOLS

Moving Forward...

- Expand seats for K-3 students (aligned with State Legislation)
  - Consolidate resources (certified staff, materials, etc)
- Focus on critical skills for the following grade
- Increase instructional time by omitting the summer pre/post analysis (focus on the District assessments)
- Shift math instructional approach to bridging concepts from the prior grade to the next grade

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Extended School Year

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Extended School Year

- **Total Students Enrolled: 818**
- Dates for Extended School Year for 4 day Programs

  July 8-August 1
- Dates for Extended School Year 5 day Programs:

  July 8-August 2

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Extended School Year 4 Day Program Attendance

Week Ending	July 12	July 19	July 26	August 2
BDLC	61%	51%	35%	55%
Inclusion	72%	71%	73%	75%
Resource Room	74%	83%	62%	74%
Essential Skills Elementary, Middle and High	86%	871%	73%	73%
CBT	71%	82%	64%	71%
Pre Kindergarten	AM 67% PM 58%	AM 60% PM 75%	AM 58% PM 42%	AM 82% PM 73%
SCOPE Elementary School	71%	57%	64%	57%
SCOPE Middle School	61%	71%	70%	43%

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Extended School Year 5 Day Program Attendance

Week Ending	July 14	July 21	July 28	August 4
Generali ABA	72%	81%	61%	81%
Generali CBL	64%	81%	77%	67%
NEMS ABA	81%	81%	81%	81%
Wilby ABA	81%	77%	81%	81%

WATERBURY
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Middle School Summer Learning

WATERBURY PUBLIC SCHOOLS

Summer Learning Middle School

The EAS Program has been designed to help students find a way to navigate their academic struggles in both ELA and mathematics while additionally implementing SEL (social-emotional learning) and CCP (Community Connection Project) components.

MATH

Middle school students covered a variety of math skills over the course of the summer. The topics were chosen to align with and reinforce what was covered throughout the school year.

6th Grade	7th Grade	8th Grade
Ratios and Unit Rates	Ratios and Proportional Relationships	Linear Equations

ELA

Middle school students focused on writing Argumentative essays in all three grades. Each grade level had a different topic! Argumentative writing is covered during all three years of middle school. This topic was chosen to reinforce skills covered during the school year and prepare students for the next.

6th Grade	7th Grade	8th Grade
Smart Homes	Dystopian Societies	Voting Rights

WATERBURY PUBLIC SCHOOLS

Summer Learning Middle School

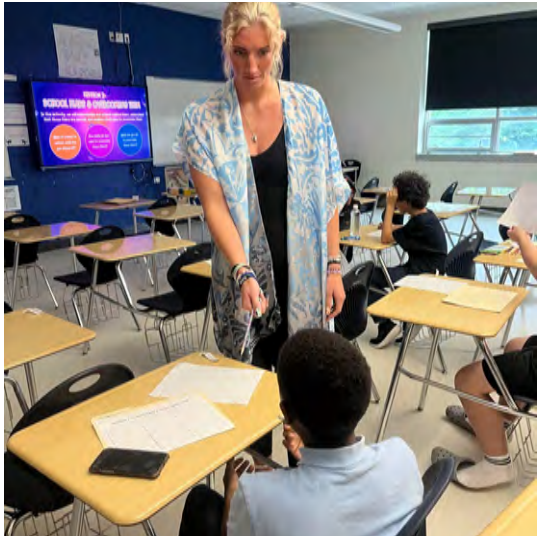
Kennedy High School Site (Middle School EAS Program)

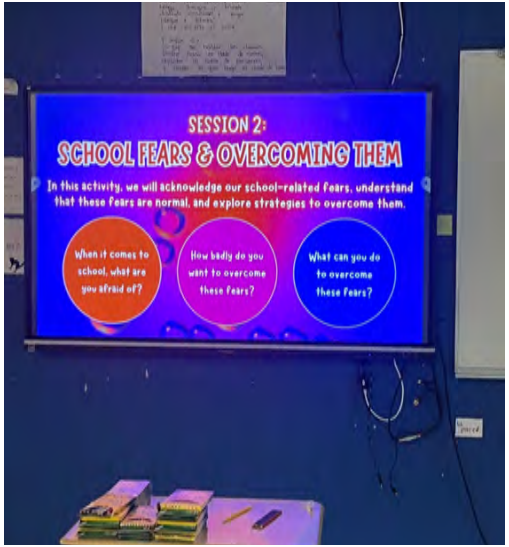
EAS 2024 Program Attendance

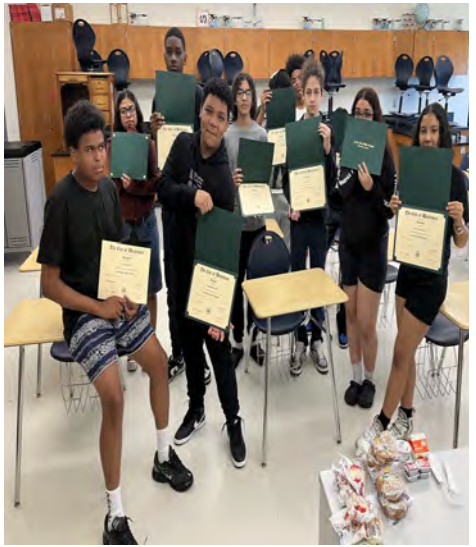
Grade	Registered	Attended	Student Participation	Completion	Student completion
Grade 6	71	48	67%	46	96%
Grade 7	76	66	87%	63	95%
Grade 8	60	58	97%	51	88%
Total	207	172	80%	160	93%

WATERBURY PUBLIC SCHOOLS

Summer Learning Middle School







(Left) Students learning about school fears and how to overcome them in the SEL portion of the program. (Far Right) One group of 8th graders receiving their diplomas after successfully completing the program.

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Waterbury Arts Magnet ENCORE

WATERBURY PUBLIC SCHOOLS

WAMS ENCORE!






Program Information:

- Free Program, Grades 6-12
- Waterbury & Partner District Students
- 2 weeks; Monday - Friday
- 8-11:45- 2 classes per day

Focus:
Exposure & Enrichment to the ARTS

Classes offered in:

- Visual Arts-Ceramics
- Video Production
- Theater Tech & Performance Aspect
- Digital Music

WATERBURY PUBLIC SCHOOLS

College & Career Readiness Summer Internships

WATERBURY PUBLIC SCHOOLS

College and Career Readiness Department

City of Waterbury Internships

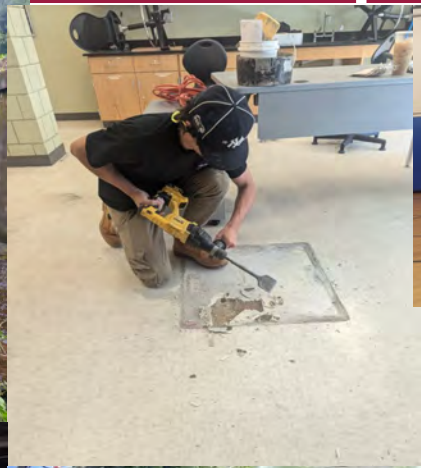
43 WPS youth ages 15-19 were employed through a collaboration with the City of Waterbury and Waterbury Public Schools as interns for six weeks in various city departments including:

- Engineering
- Finance
- Fire Department
- Health Department
- Hispanic Coalition
- Human Resources
- Information Technology
- Office of Early Childhood
- Police Department
- Public Works
- Pupil Services
- School Inspector's Office
- Senior Center
- Silas Bronson Library
- Water Department

WATERBURY PUBLIC SCHOOLS

WATERBURY

Summer Internship Program (City of Waterbury)





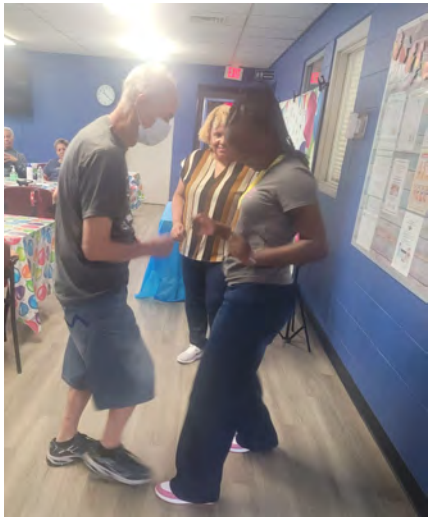






Summer Internship Program – Student Experience







“I am extremely grateful that I took the opportunity to participate in this experience, as it enabled me to acquire a set of valuable life skills that I can apply to any situation in my life's journey. It allowed me to fill my summer with purpose and meaning.”

Latika Lawrence

WATERBURY PUBLIC SCHOOLS

College and Career Readiness Department

Health Internship Programs

21 WPS students ages 14-18 interned at three health institutions throughout the city for one week each. This partnership was in collaboration with the Danbury Chamber of Commerce, Northwest Regional Workforce Investment Board and Waterbury Public Schools.

Health Internship Placements:

- McCall Behavioral
- St. Mary's Hospital
- Waterbury Hospital

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Health Internship Programs





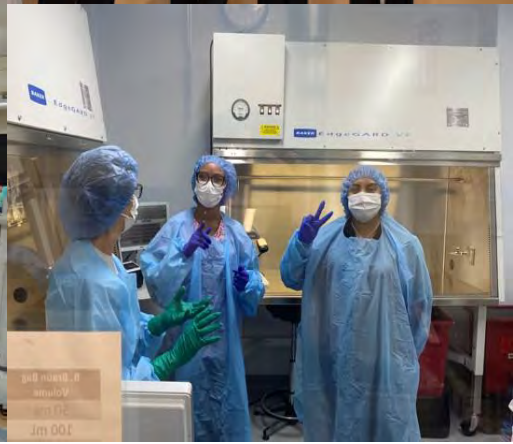




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Innovative Programs
Summer Learning

Early College High
&
Academic Academy

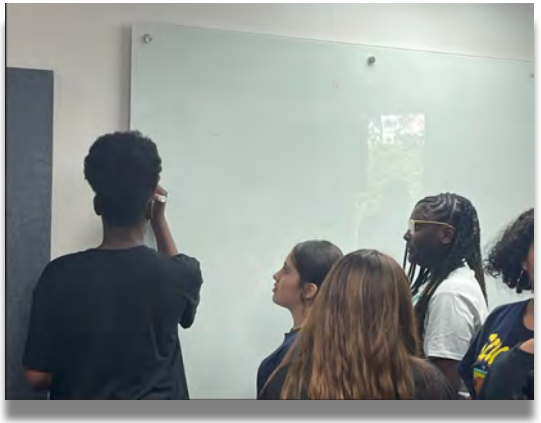
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PUBLIC SCHOOLS

Early College High School Summer Biz and STEM Camp

- 24 incoming 9th ECHS students
- Hosted on Campus of Post University- 2 weeks
- Focus on STEM and Business/Entrepreneurship
- Partnership with Junior Achievement
- Trip to CT Sun Camp Day
- End of Summer Group Presentations







WATERBURY PUBLIC SCHOOLS

Early College High School
Summer Biz and STEM Camp







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Wallace Academic Academy

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Academic Academy
Summer Robotics Program

The Academic Academy partnered with First Robotics to provide 12 incoming fourth and fifth-grade students with an introduction to robotics. Students learned how to build and program robots and they investigated STEM careers. The one week program culminated in a visit from local dignitaries where the students showed off their robotics skills.

ACADEMIC ACADEMY
AT WALLACE MIDDLE SCHOOL

FRC
FIRST® Robotics Competition



WATERBURY
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Academic Academy
Summer Robotics Program







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High School Summer Learning



WATERBURY PUBLIC SCHOOLS

High School Summer Learning

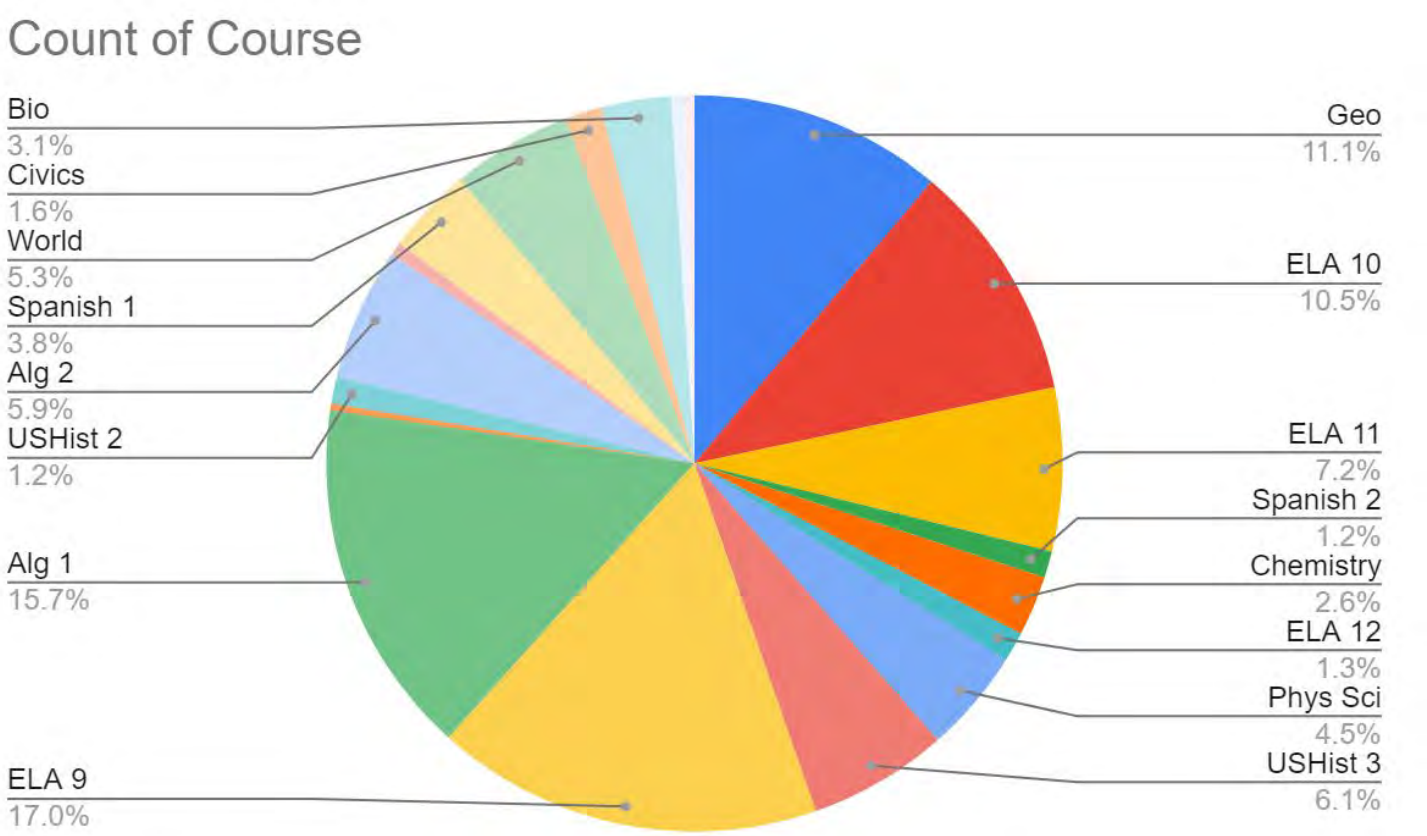
WCA Credit Retrieval

- Total Students: 392
- Total Credit Opportunities: 683
- Overall Passing Rate: 80%
- 20 seniors graduated
- Dates: July 8th - August 2nd
- 2 In-Person Sessions:
  8:00-10:00 / 10:03 - 12:03

School	Student Count
Crosby	136
Kennedy	182
Wilby	42
WAMS	17
WCA	15



WATERBURY PUBLIC SCHOOLS



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Passing Percentage By Subject

Course	Passing Pct	Course	Passing Pct	Course	Passing Pct
English 9	84%	Algebra 1	67%	History 2	100%
English 10	75%	Algebra 2	65%	History 3	55%
English 11	96%	Geometry	93%	Civics	100%
English 12	100%	Physical Science	74%	Modern World History	81%
Spanish 1	50%	Biology	95%	Lifetime Fitness	100%
Spanish 2	100%	Chemistry	72%		
Env Science	100%	Forensics	100%		

Thank You!

WATERBURY
PUBLIC SCHOOLS

#2a

Waterbury Public Schools

ED006 October 1, 2024

	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	Grand Total
Crosby High School											396	374	363	318	1451
Kennedy High School											399	384	319	289	1391
Wilby High School											329	306	297	340	1272
Wtby Arts Magnet HS											128	120	117	111	476
Wtby Career Academy	10										171	186	160	182	709
Wallace Middle Schl						16	24	381	374	344					1139
West Side Middle Sch								327	360	274					961
North End Middle Sch								312	320	262					894
Wtby Arts Magnet MS								114	115	115					344
Bucks Hill School		62	103	100	98	81	85								529
Bunker Hill School	17	65	87	79	72	65	75								460
Chase School	14	72	110	128	118	94	120								656
Wendell Cross School	42	60	67	61	81	62	60	60	80	45					618
Driggs School	28	63	59	52	71	59	74								406
Generali School		33	83	90	89	72	82								449
Duggan School	35	50	42	47	46	29	42	43	40	54					428
Hopeville School		50	86	61	82	66	68								413
Gilmartin School	30	36	44	52	63	54	51	52	55	54					491
Kingsbury School	14	53	62	72	76	60	75								412
Maloney School	112	80	88	88	88	88	88								632
Reed School	30	43	50	52	49	43	48	47	43	55					460
Regan School		33	36	42	48	34	42								235
International School	36	39	47	51	51	51									275
Sprague School	45	33	48	68	60	53	54								361
Tinker School		75	94	98	99	107	102								575
Walsh School	16	45	78	59	55	57	53								363
Washington School	35	24	38	45	42	45	54								283
Wilson School	61	60	64	69	54	57	56								421
Rotella School	72	100	90	88	88	88	88								614
Carrington School	32	32	50	50	55	51	56	52	55	44					477
Bucks Annex Pre-K	254														254
State Street		2	6	3	2	2	6	5	8	10	23	17	10	5	99
Enlightenment School									5	13	33	20	15	10	96
Grand Total	883	1110	1432	1455	1487	1334	1403	1393	1455	1270	1479	1407	1281	1255	18644

* Certified on 10-1-2024

Waterbury Public Schools

Office of Competitive Grants
Louise Allen Brown, J.D., M.P.A., Grant Writer

October 30, 2024

Honorable Board of Education
City of Waterbury
236 Grand Street
Waterbury, CT 06702

RE: 2024-25 Carl D. Perkins Grant (CSDE)

Dear President Hernandez and Board of Education Commissioners:

Once again, Waterbury's annual Carl D. Perkins Grant application will reflect the federal Perkins V legislation guidance, and will aspire to advance Connecticut's vision "that schools and districts provide each student access to rigorous pathways and programs of study that result in students graduating with the essential knowledge, skills, and employability expertise to successfully meet the demands of Connecticut's expanding economy." [Connecticut Perkins V Improvement Plan] More details are provided in my attached Grant Highlights document.

The Connecticut State Department of Education (CSDE) has announced the Waterbury Public Schools 2024-25 year allocation: $532,435. No matching funds are required.

As part of the application preparation process, CTE Supervisor Michael Merati and CTE teachers provided input regarding CTE professional development, equipment, and supplies, needed to improve CTE teaching and learning. In approving teacher requests for inclusion in the district grant application, the CTE Supervisor takes into consideration, the Waterbury Comprehensive Local [CTE] Needs Assessment (CLNA), which is regularly updated.

The 2024-25 Carl D. Perkins grant application is due to the Connecticut State Department of Education on December 2, 2024. The application will be submitted via eGMS to CSDE again this year. I anticipate that there may yet be some minor adjustments to the budget prior to submission. I respectfully request your approval to submit the 2024-25 Perkins grant application. Thank you for your consideration.

Very truly yours,

Louise Allen Brown
Louise Allen Brown, Grant Writer

cc: Dr. Darren M. Schwartz
Doreen Biolo
Janet Frenis
Michael Merati

Carl D. Perkins Grant 2024-25
CT State Department of Education
October 30, 2024
Louise Allen Brown

Grant Highlights

Program Purpose:
The purpose of the Carl D. Perkins Grant is to support students by providing funding for secondary (and postsecondary) programs of study in Career & Technical Education (CTE).

Eligible Applicants:
The five Waterbury high schools are eligible for Perkins Grant funds based upon their course offerings and Career & Technical Student Organizations (CTSOs): Crosby, Kennedy, Wilby, Waterbury Career Academy, and Waterbury Arts Magnet School. Under Perkins V, the Waterbury middle schools eligible now for limited funding (up to 10% of grant amount) are: Wallace, West Side, and North End.

Application Deadline: December 2, 2024

Grant Period: July 1, 2024 – June 30, 2025

Grant Amount: Waterbury allocation - $532,435.

Matching Funds: Matching funds are not required.

Waterbury Proposal:

The Waterbury proposal seeks funding to support new and existing WPS CTE Career Clusters/Pathways/Programs of Study which are consistent with the Waterbury Comprehensive Local (CTE) Needs Assessment (CLNA), and recommendations from members of the CTE Advisory Board. A table of the career clusters and pathways scheduled to be offered at each of the high schools during 2024-25 appears below:

CTE Career Clusters and Pathways offered by WPS for 2024-25:

2024-25 Waterbury Public Schools CTE Cluster and Pathway Chart	Crosby High School	Kennedy High School	Waterbury Career Academy	Wilby High School	Waterbury Arts Magnet School (9-12)
Total Number of Clusters: 12					
Total Number of Pathways: 15	12	10	9	12	7
Cluster – Agriculture, Food, and Natural Resources					
Pathway – Plant Systems				X	
Cluster – Architecture and Construction					
Pathway - Construction	X	X		X	X

Cluster – Business, Management, Administration					
Pathway – General Management	X	X	X	X	X
Cluster – Education and Training					
Pathway – Teaching/Training	X	X	X	X	
Cluster – Finance					
Pathway - Accounting Services	X	X		X	X
Pathway - Insurance, Investments and Securities	X	X	X	X	
Cluster – Health Services					
Pathway – Therapeutic Services	X	X	X	X	
Cluster – Hospitality and Tourism					
Pathway – Restaurant, Food, Beverage, Services	X			X	
Cluster – Information Technology					
Pathway – Information, Support, Services			X		
Pathway – Web and Digital Communications					X
Pathway – Programming and Software Development	X	X	X	X	X
Cluster – Manufacturing					
Pathway – Manufacturing Production	X		X		
Cluster – Marketing					
Pathway – Marketing Communications	X	X	X	X	X
Cluster – Science, Technology, Engineering, Mathematics (STEM)					
Pathway – Engineering, Design, Development	X	X	X	X	X
Cluster – Transportation, Distribution, Logistics					
Pathway – Facility and Mobile Equipment Maintenance	X	X		X	

Perkins funding will support CTE courses that prepare students for success with earning industry-recognized credentials such as ServSafe and ProStart (Culinary); EdRising micro credential assessments in classroom instruction, anti-bias instruction, and classroom climate; ASE certifications (Automotive); NCCER certifications (Construction and Carpentry); NIMS certifications (Manufacturing); CompTIA Fundamentals and A+ certifications (IT); and YouScience Certifications across all CTE pathways. Perkins funds will also support courses in which WPS students will earn college credit while in high school.

The CTE Advisory Board consists of stakeholders from schools, businesses, community agencies, students and parents. The CTE Advisory Board will meet again in 2024-25, in large part to give district educators opportunities to hear from the business community about what knowledge and skills employers most need students to possess to obtain entry level positions in high-skill, high-wage, and/or in-demand careers in the greater Waterbury area. Input from the business community, as well as from parents and students, teachers and administrators, will continue to shape the CTE programs of study supported through the Perkins grant. Work-based learning for students is planned through in person opportunities for EdRising students in various schools, summer public works department, school based enterprises, Pharmacy Technician, Certified Nurse Assistant programs, Information Technology laptop restoration, and financial reality fairs. Students will also have opportunities to work at manufacturing businesses in the area.

Budget

The budget includes staff training and a variety of student supports requested by teachers and administrators, or the CTE Supervisor, and approved by the CTE Supervisor as consistent with the direction of the CTE department in the Waterbury schools. The budget will total the maximum allowable allocation for WPS for 2024-25 of $532,435. No matching funds are required.

#7

Janet Frenis
Chief Academic Officer
(203) 574-8000 Ext. 11260
jfrenis@waterbury.k12.ct.us

To: Honorable Board of Education

From: Janet Frenis, Chief Academic Officer

Date: October 28, 2024

Subject: Amendment One to the Professional Services Agreement Between the City of Waterbury and Benchmark Education Company, LLC for a Core Reading and Language Arts Program for grades K-5.

The Department of Education respectfully requests approval of amendment one to the professional services agreement between the City of Waterbury and Benchmark Education Company, LLC. The purpose of the amendment is to add a payment schedule to the agreement that does not affect the terms of the agreement in any other way.

The Right to Read Grant along with the Alliance Grant and Title III Grant will be used to fund this contract. The contract is for a duration of six years (July 2024 to July 2030) and totals $3,383,401 for all print and online materials as well as professional development. The payment schedule is as follows:

1. $1,691,700.50 will be due by August 31, 2024
2. $676,680.20 will be due by July 31, 2025.
3. $676,680.20 will be due by July 31, 2026.
4. $169,170.05 will be due by July 31, 2027.
5. $169,170.05 will be due by July 31, 2028

The Department of Education will have an opportunity to extend the contract beyond July 2030 if needed with the prices remaining the same.

Docusign Envelope ID: F9590951-2F56-4150-B235-349652B59623

AMENDMENT #1
to
PROFESSIONAL SERVICES AGREEMENT
RFP No. 7948
for
Core Elementary Reading and Language Arts Program K-5
between
The City of Waterbury, Connecticut
and
Benchmark Education Company LLC

THIS AMENDMENT #1 effective on the date signed by the Mayor, is by and between the CITY OF WATERBURY, City Hall, 235 Grand Street, Waterbury, Connecticut (the "City") and BENCHMARK EDUCATION COMPANY LLC, 145 Huguenot Street, 8th Floor, New Rochelle, New York, a State of Delaware duly registered Limited Liability Company (the "Contractor").

WHEREAS, Contractor submitted a proposal to the City responding to RFP No. 7948 for Core Elementary Reading and Language Arts Program to provide a six-year subscription to Contractor's BEC Benchmark Advance, BEC Benchmark Adelante, Benchmark Express and Benchmark Steps to Advance core reading elementary programs for City of Waterbury; and

WHEREAS, the City selected Contractor to perform services regarding RFP No. 7948; and;

WHEREAS, the City and Contractor entered into an Agreement effective July 19, 2024 (the "Agreement") to provide the aforementioned reading and language art program; and

WHEREAS, in accordance with Section 21 of the Agreement the Parties seek to amend the Agreement to establish a payment schedule.

NOW THEREFORE, it is mutually agreed that the Agreement shall hereby be amended as follows:

1. Section 6 shall be amended to include the following language:

6.6. Payment Schedule. The Parties agree payment shall be in accordance with the amounts and dates set forth below:

6.6.1. One Million Six Hundred Ninety-one Thousand Seven Hundred Dollars and 50/100 Cents ($1,691,700.50) will be due by July 31, 2024.

6.6.2. Six Hundred Seventy-Six Thousand Six Hundred Eighty Dollars and 20/100 Cents ($676,680.20) will be due by July 31, 2025.

Docusign Envelope ID: F9590951-2F56-4150-B235-349652B59623

6.6.3. Six Hundred Seventy-Six Thousand Six Hundred Eighty Dollars and 20/100 Cents ($676,680.20) will be due by July 31, 2026.

6.6.4. One Hundred Sixty-Nine Thousand One Hundred Seventy Dollars and 05/100 Cents ($169,170.05) will be due by July 31, 2027.

6.6.5. One Hundred Sixty-Nine Thousand One Hundred Seventy Dollars and 05/100 Cents ($169,170.05) will be due by July 31, 2028.

2. Other than as set forth herein, all other terms, conditions and provisions of the Agreement effective July 19, 2024 shall remain in full force and effect and binding upon the Parties hereto.

(Signature page to Follow)

Docusign Envelope ID: F9590951-2F56-4150-B235-349652B59623

IN WITNESS WHEREOF, the parties hereto execute this Amendment #1 on the dates signed below.

WITNESS:

_____

_____

CITY OF WATERBURY

By:_____
Paul K. Pernereweski, Jr., Mayor

Date: _____

WITNESS:

_____

_____

BENCHMARK EDUCATION COMPANY LLC

By: Signed by: John Gruber 0241AEEDAC05491...

Print Name: John Gruber

Date: 10/22/2024

#8a

WATERBURY PUBLIC SCHOOLS

ESSER/ARP Monthly Expenditure Report
Board of Education Workshop
November 7, 2024

ESSER I	ESSER II	ARP ESSER III
Beginning Date March 2020 Ending Date September 2022	Beginning Date December 2020 Ending Date September 2023	Beginning Date May 2021 Ending Date September 2024
Total Grant : $9,394,519	**Total Grant : $41,651,124**	**Total Grant : $89,691,176**
Public Portion - $8,462,310 $8,462,310 YTD Exp/Enc $ 0 YTD Balance	$41,651,124 YTD Exp/Enc $ 0 YTD Balance	$89,691,176 YTD Exp/Enc $0 YTD Balance
Non-Public Portion: $932,209 $932,209 YTD Exp/Enc $ 0 YTD Balance	0	

Detail of Encumbrance/Expenditures

ESSER I

- Temporary Maintainers; Health Dept & Fire Dept Overtime for COVID Testing
- Chromebook Management Services; Licenses; Teachers Laptops; Students Chromebooks; Chromebook Charging Carts; Data Switches & Wireless Headphones
- HVAC & Ventilation Projects- Regan Boilers Replacement, & heating pumps, Carrington BMS Upgrades, HVAC Repairs at Reed, Maloney, Rotella, Gilmartin, Duggan, WAMS, Career, and West Side.
- Covid staff testing fees;
- Fire safety equipment
- Bilingual materials
- PPE/Health & Safety Supplies; Handwashing Stations

ESSER II

- GF Staff Retainage- Maintainers Staff, IT Staff and School Counselors.
- Summer School Programs; Summer Camps – YMCA, Boys & Girls & PAL
- Transportation for Summer School; Summer school program supplies
- Recruitment - UCONN Resident & Nex-Gen programs; College partnerships for recruitment
- Translation Services
- SEL Curriculum
- Technology Professional Development Training
- Portrait of Graduate Development and Assessment
- CTE Supplies and Wilby Greenhouse Renovation
- Food Service Deficit;
- Facility Study
- Administrative Costs - Contracted Project Manager Services; Contracted Legal Services
- Design Services – Auditorium Upgrades; Air Handler Units; Mechnical Upgrades & Rotella Boiler
- Summer school field trips
- Boiler replacement /Tinker school and Kingsbury
- School counselor Summer program
- New Mentors Summer training
- Design services –HVAC for Wilby, NEMS,WSMS,Crosby, Wallace, State St, Wilson
- Design services- Boiler replacement for Driggs, Maloney, Washington, Generali)
- Boiler replacement –Rotella
- SEL Curriculum
- Naviance
- Duct & Vent Cleaning (Carrington, Duggan,Gilmartin, Reed)
- Reboot pilot program
- Crosby Bypass piping
- Auditorium Upgrades (WAMS, WSMS, Rotella, Kennedy, Laurel Hill Complex & Bergin Complex)
- HVAC upgrades (Duggan, Gilmartin)
- Boiler replacement (Rotella)
- Summer program STEM kits
- Boilers replacement (Driggs, Generali, Maloney and Washington)
- Removal and replacement of 3 playscapes (Chase, Regan, Rotella)
- Summer day Camp (Waterbury Youth Service)
- Commissioning Services (Noresco)
- Summer Camp field trip
- Duct & Vent Cleaning (WAMS, Maloney, Rotella)
- Furniture (Moved from Esser III to II)
- ESS (substitutes)
- Moved HVAC expenses from ARP Esser III to Esser II

WATERBURY PUBLIC SCHOOLS

ARP ESSER III

- (2) PT Crisis Youth Intervention Clinicians;
- Accountant III
- Facility Operation Manager
- Extra Class Stipends for Teachers covering shortage areas (High Schools);
- Partners in Education (CT Center for School Change);
- Outside Counsel Legal Fees for ARP ESSER Contracts;
- Curriculum Update- Pear Deck & Legends of Learning;
- Instructional Supplies & Equipment (School Principals Needs)
- Resources to Support Curriculum(Home Learning);
- Equity Training Services
- State Street Playground Equipment
- HVAC Projects/Repairs- Maloney Chiller Replacement, Wilby AC, Crosby Cooling Tower, Wams, Kennedy Fan Replacement.
- Upgrade furniture, fixtures and equipment based on school needs.
- Digital platform to connect students with mentors.
- Amplify reading student license, mCLASS DIBELS
- Mechanical Upgrades at three schools (Crosby,Kennedy, Wilby)
- SAFE after school program/behavioral clinicals
- Nearpod, Kami, Rubicon subscription
- Summer programs-Boys & Girls club
- Workshop Athletic program
- Biliteracy Training program
- Enrichment programs in the Community (Palace Theater, Shakesperian, Mattatuck museum, Boys and Girls, YMCA)
- Design services for HVAC (Sprague, Regan, Tinker, Washington, Bucks Hill, Chase , International, Generali)
- Harvard Graduate school- training school turnaround leaders
- Linguistica International –translation services
- Cormier Consulting
- Varsity Tutors
- Removal and replacement of 6 playscapes (Bunker Hill, Driggs ,Sprague, Hopeville, Tinker, Washington)
- Radiator Covers
- Multi-tired system of supports for behavior (Branching Minds).
- Water cooled chiller for Wilby
- Design fees for VRF/DOA for 6 elementary schools
- Summer programs (PAL, YMCA,Seven Angels)
- Imagine learning (licenses for online learning)
- Furniture (Moved from Esser III to II)
- Quill (Middle & high school licenses)
- Moved HVAC expenses from ARP Esser III to Esser II
- Google workspace for Education
- Students Chromebooks

- Removal and replacement of playscape at Carrington
- Rubrik update
- Waterbury Bridge to Success
- HVAC construction fees at Wilby and NEMS
- Kitchen construction fees at Crosby and Wilby
- Lightspeed Audio solution
- HVAC Replacement at Crosby/Wallace
- Construction for conversion of Crosby weight room into PE
- HVAC replacement at Kennedy
- HVAC at 13 elementary schools (Bucks Hill,Chase, Driggs, Generali, Hopeville, Tinker, Bunker Hill, International, Kingsbury, Regan, Sprague, Washington, Wilson)
- HVAC construction fees at WAMS
- Carrington Learning Park security cameras
- Yondr Packages include pouches, medical pouches, unlocking bases, storage accessories, school resource templates
- Transformers for 11 elementary schools
- Chromebooks and Chromebooks parts.
- ESS substitutes

#8b

Waterbury Board of Education

FY2024-2025

July-September
Expenditure Report

ACCOUNT	CLASSIFICATION	FY 25 ORIGINAL BUDGET	FY 25 ADJUSTED BUDGET	JUL-SEPT EXPENDITURE	JUL-SEPT ENCUMBRANCE	CURRENT BALANCE	PROJECTED EXP.	PROJECTED DIFFERENCE
Salaries								
511101	Administrators	$11,652,029	$11,652,029	$2,467,598	$0	$9,184,431	$11,652,029	$0
511102	Teachers	$41,409,063	$41,409,063	$6,398,007	$0	$35,011,056	$41,409,063	$0
511104	Superintendent	$454,426	$454,426	$106,556	$0	$347,870	$454,426	$0
511106	Early Incentive Certifiied	$796,084	$796,084	$899,705	$0	($103,621)	$796,084	$0
511107	Certified Coaches	$770,000	$770,000	$543	$0	$769,457	$770,000	$0
511108	School Psychologists	$1,203,749	$1,203,749	$134,385	$0	$1,069,364	$1,203,749	$0
511109	School Social Workers	$2,311,147	$2,311,147	$251,892	$0	$2,059,255	$2,311,147	$0
511110	Speech Pathologists	$2,462,183	$2,462,183	$269,071	$0	$2,193,112	$2,462,183	$0
511111	Assistant Superintendent	$173,250	$173,250	$39,981	$0	$133,269	$173,250	$0
511113	Extra Compensatory Stipend	$105,000	$105,000	$0	$0	$105,000	$105,000	$0
511201	Non-Certified Salaries	$2,918,541	$2,918,541	$305,238	$0	$2,613,303	$2,918,541	$0
511202	Clerical Wages	$1,286,958	$1,286,958	$217,541	$0	$1,069,417	$1,286,958	$0
511204	Crossing Guards	$391,528	$391,528	$38,894	$0	$352,634	$391,528	$0
511206	Educational	$450,000	$450,000	$53,628	$0	$396,372	$450,000	$0
511212	Substitute Teachers	$350,000	$350,000	$108,618	$112,290	$129,092	$350,000	$0
511217	Library Aides	$207,477	$207,477	$29,320	$0	$178,157	$207,477	$0
511219	School Clerical	$2,338,476	$2,338,476	$349,576	$0	$1,988,900	$2,338,476	$0
511220	Fiscal Administration	$796,195	$796,195	$106,535	$0	$689,660	$796,195	$0
511222	Transportation Coordinator	$210,967	$210,967	$43,005	$0	$167,962	$210,967	$0
511223	Office Aides	$180,000	$180,000	$11,100	$0	$168,900	$180,000	$0
511225	School Maintenance Non-Certified	$2,563,557	$2,563,557	$530,255	$0	$2,033,302	$2,563,557	$0
511226	Custodians Non-Certified	$6,110,510	$6,110,510	$1,203,385	$0	$4,907,125	$6,110,510	$0
511227	Overtime - Outside Activities	$245,000	$245,000	$48,265	$0	$196,735	$245,000	$0
511228	Paraprofessionals	$9,570,536	$9,570,536	$957,315	$0	$8,613,221	$9,570,536	$0
511229	Bus Duty	$265,000	$265,000	$525	$0	$264,475	$265,000	$0
511232	Attendance Counselors	$129,458	$129,458	$9,353	$0	$120,105	$129,458	$0
511233	ABA Behaviorial Therapist	$1,426,252	$1,426,252	$165,103	$0	$1,261,149	$1,426,252	$0
511234	Interpreters	$201,986	$201,986	$14,425	$0	$187,561	$201,986	$0
511236	Snow Removal	$0	$0	$0	$0	$0	$0	$0
511650	Overtime	$640,000	$640,000	$240,253	$0	$399,747	$640,000	$0
511653	Longevity	$5,620	$5,620	$0	$0	$5,620	$5,620	$0
511700	Extra Police Protection	$943,423	$943,423	$12,932	$0	$930,491	$943,423	$0
511800	Vacation and Sick Term Payout	$120,055	$120,055	$57,956	$0	$62,099	$120,055	$0
522501	Health Insurance-General	$10,000,000	$10,000,000	$0	$0	$10,000,000	$10,000,000	$0
529001	Car Allowance	$75,000	$69,200	$19,783	$0	$49,417	$69,200	$0
529003	Meal Allowances	$15,000	$15,000	$12,919	$0	$2,081	$15,000	$0
Subtotal Salaries		**$102,778,470**	**$102,772,670**	**$15,103,659**	**$112,290**	**$87,556,721**	**$102,772,670**	**$0**

ACCOUNT	CLASSIFICATION	FY 25 ORIGINAL BUDGET	FY 25 ADJUSTED BUDGET	JUL-SEPT EXPENDITURE	JUL-SEPT ENCUMBRANCE	CURRENT BALANCE	PROJECTED EXP.	PROJECTED DIFFERENCE
Purchased Services								
533000	Professional Services	$4,200,000	$4,200,000	$448,340	$1,551,660	$2,200,000	$4,200,000	$0
533009	Evaluation	$2,500	$2,500	$0	$0	$2,500	$2,500	$0
533020	Consulting Services	$406,658	$406,658	$53,400	$73,771	$279,487	$406,658	$0
533100	Auditing	$62,000	$62,000	$0	$4,500	$57,500	$62,000	$0
539005	Sporting Officials	$25,000	$25,000	$0	$0	$25,000	$25,000	$0
539008	Messenger Service	$33,600	$33,600	$0	$0	$33,600	$33,600	$0
543000	General Repairs & Maintenance	$1,288,000	$1,288,000	$293,672	$462,088	$532,239	$1,288,000	$0
543011	Maintenance - Service Contracts	$975,000	$975,000	$183,947	$531,680	$259,373	$975,000	$0
544002	Building Rental	$587,642	$587,642	$98,785	$314,356	$174,500	$587,642	$0
545002	Water	$250,000	$250,000	$32,999	$0	$217,001	$250,000	$0
545006	Electricity	$3,000,000	$3,000,000	$613,191	$0	$2,386,809	$3,000,000	$0
545013	Security/Safety	$100,000	$100,000	$2,717	$7,974	$89,309	$100,000	$0
551000	Pupil Transportation	$18,790,000	$18,790,000	$1,159,550	$17,234,103	$396,346	$18,790,000	$0
553001	Postage	$45,000	$45,000	$9,812	$0	$35,188	$45,000	$0
553002	Telephone	$200,000	$200,000	$95,250	$30,130	$74,620	$200,000	$0
553005	Wide-area Network (SBC)	$93,600	$93,600	$2,054	$2,946	$88,600	$93,600	$0
556055	Tuition - Outside	$16,000,000	$16,000,000	$831,320	$9,273,324	$5,895,356	$16,000,000	$0
556056	Purchased Service - Outside	$3,000,000	$3,000,000	$109,092	$2,845,591	$45,317	$3,000,000	$0
557000	Tuition Reimbursement	$10,000	$10,000	$7,603	$0	$2,397	$10,000	$0
558000	Travel Expenses	$5,000	$5,000	$0	$0	$5,000	$5,000	$0
559001	Advertising	$32,500	$32,500	$586	$128	$31,785	$32,500	$0
559002	Printing & Binding	$23,000	$23,000	$27	$0	$22,973	$23,000	$0
559104	Insurance - Athletics	$21,700	$21,700	$19,851	$0	$1,849	$21,700	$0
Subtotal Purchased Services		**$49,151,200**	**$49,151,200**	**$3,962,199**	**$32,332,251**	**$12,856,750**	**$49,151,200**	**$0**
Supplies/Materials								
561100	Instructional Supplies	$1,612,104	$1,612,104	$470,629	$243,817	$897,658	$1,612,104	$0
561200	Office Supplies	$75,590	$75,590	$12,265	$14,046	$49,279	$75,590	$0
561204	Emergency/Medical Supplies	$2,000	$2,000	$0	$0	$2,000	$2,000	$0
561210	Intake Center Supplies	$3,500	$3,500	$1,034	$1,770	$696	$3,500	$0
561211	Recruitment Supplies	$50,000	$50,000	$14,590	$2,055	$33,355	$50,000	$0
561212	Medicaid Supplies	$8,000	$8,000	$642	$550	$6,808	$8,000	$0
561501	Diesel	$173,736	$173,736	$8,832	$127,262	$37,643	$173,736	$0
561503	Gasoline	$210,667	$210,667	$30,727	$125,146	$54,794	$210,667	$0
561505	Natural Gas	$2,000,000	$2,000,000	$73,590	$0	$1,926,410	$2,000,000	$0
561507	Janitorial Supplies	$375,000	$375,000	$145,630	$101,488	$127,882	$375,000	$0
561508	Electrical Supplies	$50,000	$50,000	$13,332	$19,792	$16,876	$50,000	$0
561509	Plumbing Supplies	$100,000	$100,000	$23,819	$36,524	$39,657	$100,000	$0
561510	Building & Ground Supplies	$220,000	$220,000	$36,563	$34,020	$149,417	$220,000	$0
561511	Propane	$404,688	$404,688	$49,104	$317,816	$37,768	$404,688	$0
567000	Clothing Supplies	$40,000	$45,800	$1,163	$44,523	$114	$40,000	$5,800
567001	Crossing Guard Uniforms	$2,000	$2,000	$51	$1,279	$669	$2,000	$0
569010	Recreational Supplies	$15,000	$15,000	$1,729	$736	$12,536	$15,000	$0
569029	Athletic Supplies	$137,895	$137,895	$56,646	$15,949	$65,300	$137,895	$0
Subtotal Supplies/Materials		**$5,480,180**	**$5,485,980**	**$940,346**	**$1,086,773**	**$3,458,861**	**$5,480,180**	**$5,800**

ACCOUNT	CLASSIFICATION	FY 25 ORIGINAL BUDGET	FY 25 ADJUSTED BUDGET	JUL-SEPT EXPENDITURE	JUL-SEPT ENCUMBRANCE	CURRENT BALANCE	PROJECTED EXP.	PROJECTED DIFFERENCE
Property								
575008	Furniture-Misc.	$15,000	$15,000	$0	$0	$15,000	$15,000	$0
575200	Office Equipment	$155,000	$155,000	$666	$8,882	$145,453	$155,000	$0
575408	Plant Equipment	$40,000	$40,000	$2,076	$0	$37,924	$40,000	$0
Subtotal Property		**$210,000**	**$210,000**	**$2,742**	**$8,882**	**$198,377**	**$210,000**	**$0**
Other/Miscellaneous								
589021	Mattatuck Museum	$12,000	$12,000	$0	$12,000	$0	$12,000	$0
589034	Board of Ed Commissioners	$20,700	$20,700	$5,175	$0	$15,525	$20,700	$0
589036	Emergency Fund	$9,450	$9,450	$0	$0	$9,450	$9,450	$0
589056	Waterbury Promise	$500,000	$500,000	$500,000	$0	$0	$500,000	$0
589201	Mileage	$10,000	$10,000	$531	$0	$9,469	$10,000	$0
589205	Coaches Reimbursements	$3,000	$3,000	$0	$0	$3,000	$3,000	$0
589900	Dues & Publications	$65,000	$65,000	$32,746	$0	$32,254	$65,000	$0
591002	Transfer to Sinking Fund	$0	$0	$0	$0	$0	$0	$0
591004	Athletic Revolving Fund	$135,000	$135,000	$59,960	$50,000	$25,040	$135,000	$0
Total Other/Miscellaneous		**$755,150**	**$755,150**	**$598,412**	**$62,000**	**$94,738**	**$755,150**	**$0**
GRAND TOTAL OPERATING BUDGET		**$158,375,000**	**$158,375,000**	**$20,607,358**	**$33,602,195**	**$104,165,447**	**$158,369,200**	**$0**
								$0
Other Additional Funding								
	Alliance Non-Reform/Reform	**$57,684,387**	**$57,684,387**	**$6,464,355**	**$0**	**$51,220,032**	**$57,684,387**	**$0**
	GF Surplus 15-16	$1,000,000	$1,000,000	$0	$0	$1,000,000	$1,000,000	$0
	GF Surplus 14-15	$1,000,000	$1,000,000	$0	$0	$1,000,000	$1,000,000	$0
	GF Surplus 16-17	$450,000	$450,000	$0	$0	$450,000	$450,000	$0
	Contingency Surplus	$675,000	$675,000	$0	$0	$675,000	$675,000	$0
	City Non Lapsing Account	$500,000	$500,000	$0	$0	$500,000	$500,000	$0
Total Additional Funding		**$61,309,387**	**$61,309,387**	**$6,464,355**	**$0**	**$54,845,032**	$0	**$0**
GRAND TOTAL ALL FUNDING		**$219,684,387**	**$219,684,387**	**$27,071,713**	**$33,602,195**	**$159,010,479**	**$158,369,200**	**$0**

#9

WATERBURY
PUBLIC SCHOOLS

Mike Konopka
School Inspector Office

Memorandum

To: Board of Education & Board of Alderman

From: Mike Konopka, School Inspector, School Inspector's Office BOE

Date: October 28, 2024

Re: Board of Education Approval Request / Executive Summary
Contract between Board of Education and Tucker Mechanical, Inc.

The School Inspector's Office respectfully requests your approval of the above-referenced contract, awarded through RFP #8015, in the amount of $235,540.00, between The City of Waterbury and Tucker Mechanical, Inc. to provide districtwide HVAC Chiller Maintenance Services.

This contract represents a multi-year (3 year) service agreement during which the Contractor shall provide a comprehensive Full Service Maintenance Program for HVAC Chillers including all labor, materials, parts, responding to emergency and non-emergency Service Calls, ensuring the continuity of the City's educational operations.

The funding source for this project is General Fund.

Accordingly, attached for your review and consideration are the requisite number of copies of the proposed contract.

Please note further that an electronic version and one complete set ("record copy") of documents, including contract, proposals, has been placed on file with the City Clerk's Office.

Lastly, please be advised that the department will have a representative present at your upcoming meeting to answer any questions you may have regarding this matter.

Thank You

Mike Konopka
School Inspector

Contract
for
Chiller Maintenance Services
between
City of Waterbury
and
Tucker Mechanical, Inc.

THIS CONTRACT, effective on the date signed by the Mayor, is by and between the **CITY OF WATERBURY**, City Hall, 235 Grand Street, Waterbury, Connecticut 06702 (the "City") and Tucker Mechanical, Inc., located at 795 Brook Street, Rocky Hill, Connecticut 06067, a Connecticut corporation (the "Contractor").

WHEREAS the Contractor submitted a bid to the City in response to **Request for Proposal ("RFP") No. 8015** regarding HVAC chiller maintenance services on behalf of the City's Department of Education at its schools (the "Project");

WHEREAS the City accepted the Contractor's bid for **RFP No. 8015**; and

WHEREAS the City desires to obtain the Contractor's services pursuant to the terms set forth in this Contract.

NOW THEREFORE, THE PARTIES AGREE AND COVENANT AS FOLLOWS:

1. Scope of Services. The Contractor shall furnish all the labor, services, equipment, materials, supplies, transportation, and incidentals necessary to complete the Project as specified in this agreement (also referred to herein as the "Contract") and such shall be completed in a satisfactory manner, as reasonably determined by the City. All labor, services, equipment, materials, supplies, transportation, and incidentals shall comply with **(i)** all applicable local, state and federal laws, statutes, ordinances, rules and regulations, including without limitation all notice requirements thereunder, and **(ii)** generally accepted professional standards.

1.1. The Project consists of providing HVAC chiller inspection, maintenance and on-call repairs services at City schools -- all as more particularly detailed and described in the Bid Documents in **Attachments A**, which is attached hereto and made a material part hereof. **Attachment A** consists of the following, which are attached hereto, are acknowledged by the Contractor as having been received, or otherwise hereby incorporated by reference as noted below, and all are made a part hereof:

1.1.1 City's **RFP No. 8015**, incorporated by reference;
1.1.2 Addendum 1 to **RFP No. 8015** (attached hereto);
1.1.3 Contractor's Price Proposal (revised), dated October 22, 2024, consisting of 3 pages (attached hereto);

1.1.4 Contractor's Response with associated attachments to **RFP No. 8015**, dated June 12, 2024, consisting of 851 pages, (attached hereto);
1.1.5 All applicable Federal, State and local statutes, regulations charter and ordinances (incorporated by reference);
1.1.6 City of Waterbury, Board of Education, **RFP No. 8015**, Scope of Services;
1.1.7 State of Connecticut Prevailing Wages, dated May 2, 2024, and consisting of 8 pages (incorporated by reference);
1.1.8 Contractor's Certificate of Insurance (attached hereto, or otherwise incorporated by reference);
1.1.9 Payment Bond (attached hereto, or otherwise incorporated by reference);
1.1.10 All amendment(s) and Change Orders issued by the City after execution of Contract (incorporated by reference);
1.1.11 All applicable Federal, State and local statutes, regulations charter and ordinances (incorporated by reference); and
1.1.12 All applicable permits and licenses (incorporated by reference).

1.2. The entirety of **Attachment A** plus this executed instrument are together deemed the Contract Documents (hereinafter collectively referred to as "Contract Documents"). The City's record copy of the Contract Documents shall control and shall be effective and binding on the Contractor. If any provision in the Contract Documents conflict with any other provision therein, the provision in the component part of the Contract Document first enumerated below shall govern over any other component part which follows it numerically:

1.2.1 All applicable Federal, State, and local laws, regulations, charter and ordinances;
1.2.2 Amendment(s) and Change Orders;
1.2.3 This Contract;
1.2.4 Addendums to **RFP No. 8015**, if any;
1.2.5 **RFP No. 8015** including City of Waterbury, Board of Education, **RFP No. 8015** Scope of Services;
1.2.6 Contractor's Price Proposal; and
1.2.7 Contractor's Response.

2. Representations Regarding Qualification and Accreditation. The Contractor represents that its employees are licensed to perform the scope of work set forth in this Contract. The Contractor further represents that its employees have the requisite skill, expertise and knowledge necessary to perform the scope of work required under the terms of this Contract, including any supplementary work and the City relies upon Contractor's representations.

2.1. Representations regarding Personnel. The Contractor represents that it has, or will secure at its own expense, all personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, unless the use of City employees or of personnel having a contractual relationship with the City is approved in writing. As set forth above, all the services required hereunder shall be performed by the Contractor or under its

supervision and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under state or local law to perform such services.

2.2. Representations regarding Qualifications. The Consultant hereby represents that, to the extent required by Federal, State and Local statutes, regulations, codes, ordinances, and policies, that the Consultant and/or its employees be licensed, certified, registered, or otherwise qualified, the Consultant and all employees providing services under this Contract, are in full compliance with those statutes, regulations and ordinances. Upon City request, the Consultant shall provide to the City a copy of the Consultant's licenses, certifications, registrations, etc.

3. Responsibilities of the Contractor. The Contractor agrees to properly implement the services required in the manner herein provided. The Contractor shall, in addition to any other responsibilities set forth in this Contract and the Schedules and Attachments hereto, perform the following coincident with the performance of this Contract:

3.1. Due Diligence Obligation. The Contractor acknowledges its responsibility to examine and to be thoroughly familiar with the City's bid document, including, but not limited to the plans, specifications, drawings and any addenda thereto. The Contractor hereby warrants and represents that prior to the submission of its proposal during the bid process it reviewed or was afforded opportunity, by the City, to review all physical items, facilities, services and functions essential to the satisfactory performance of the services required ("Due Diligence") and thereby certifies that all such items, facilities, services and functions are included in this Contract and thereby warrants that:

3.1.1 it conducted or had opportunity to conduct all due diligence prior to the submission of its bid and, accordingly, any additional costs, services or products resulting from the failure of the Contractor to complete Due Diligence prior to submission of its bid proposal shall be borne by the Contractor. Furthermore, the Contractor had the opportunity during the bid process to ask questions it saw fit and to review the responses from the City;

3.1.2 its failure or omission to make investigation and verification of data shall, in no way, be cause for future claim of ignorance of such data or conditions nor shall such failure to investigate and verify be the basis for any claim whatsoever, monetary or otherwise;

3.1.3 it is solely responsible for resolving any issues resulting from its failure to conduct due diligence and it shall assume all resulting costs it incurs during the Project;

3.1.4 it was responsible for specifying any changes and disclosing any associated new costs prior to submittal of its bid. In the event the Contractor failed to disclose any such new cost prior to the submittal of its bid, the Contractor hereby covenants that it shall remain solely responsible for, and shall absorb, those non-disclosed costs;

3.1.5 it has familiarized itself with the nature and extent of the Contract Documents, Project, locality, and with all local conditions and Federal, State and local laws, ordinances, rules and regulations that in any manner may affect cost, progress or performance of the Project;

3.1.6 it has given the City written notice of any conflict, error or discrepancy that the Contractor discovered in the City's bid documents and other documents for **RFP Number 8015** (collectively, the "Bid Documents");

3.1.7. it agrees that the Bid Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Project;

3.1.8. it has carefully studied all reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the Scope of Services which were utilized in the preparation of the plans and specifications;

3.1.9 it has made or caused to be made examinations, investigations, measurements and tests and studies of any applicable reports and related data as it deems necessary for ensuring performance of the Scope of Services at the Contract Price within the Contract Time and in accordance with the other terms and conditions of the Contracts; and certifies no additional examinations, investigations, tests, reports or similar data are or will be required by Contractor for such purposes; and

3.1.10 The Contractor shall not take advantage of any obvious error or apparent discrepancy in the Contract. Notice of any error or discrepancy discovered shall be given immediately in writing to the City, who shall make such corrections and interpretations as it may deem necessary for the completion of the Project in a satisfactory and acceptable manner.

3.2. Safety. Contractor shall perform all work in a safe manner in full compliance with local, state and federal health and safety regulations. Contractor shall immediately correct any dangerous condition caused by or resulting from its work. If it fails to correct, or to act diligently to correct, any condition which the City reasonably believes to be a hazard to persons or property, then immediately upon oral or written notice to any supervisory or similar personnel of Contractor, City may, but shall not be required to, correct same at Contractor's expense. City shall Contractor in writing any oral notice given within five (5) business days thereafter.

3.3. Storage. In the event the Project site has insufficient, inadequate, and/or improper storage space, it shall be the responsibility of the Contractor to secure, provide and maintain at the Contractor's sole cost and expense **(i)** adequate off-site storage space for equipment, materials, incidentals, etc., and **(ii)** all associated delivery and transportation services. In either event, the Contractor shall assume full

responsibility for equipment, materials, incidentals, etc. until both title and risk of loss pass to the City pursuant to Section 8 of this Contract.

3.4. Working Hours. To the extent the Contractor is required to be on City property to render the Contractor's services hereunder, the Contractor shall coordinate its schedule so that work on and at the Project site is performed during the hours of 8:00 a.m. to 4:00 p.m. Monday through Friday, unless more exactly specified elsewhere in this Contract or **Attachment A** or unless prior written permission is obtained from the City to work during other times. This provision shall not excuse the Contractor from timely performance under the Contract.

3.5. Cleaning Up. The Contractor shall always keep the Project site free from accumulation of waste materials or rubbish caused by Contractor's employees or subcontractors, and at the completion of the work shall remove all rubbish from and about the Project and all tools, scaffolding and surplus materials and shall leave the Project site "broom clean" or its equivalent, unless more exactly specified. In case of dispute, the City may remove the rubbish and charge the cost to the Contractor.

3.6. Publicity. Contractor agrees not to deliberately disclose the fact that the City has entered into or terminated this Contract or disclose any of the terms of the Contract or use the City's name in connection with any publicity unless the City gives prior written consent to such use of the City's name in each instance.

3.7. Standard of Performance. All Contractor labor, materials, supplies, components, equipment, reports, plans, specifications, drawings, deliverables, incidentals, etc., required to be furnished or delivered under this Contract shall conform in all respects with the requirements set forth in this Contract and shall meet or exceed those standards generally recognized in the Contractor's craft and trade in the State of Connecticut. City specified manufacturer and/or brand name substitution desired by the Contractor shall be made only with the prior written consent of an authorized representative of the City's Using Agency.

3.7.1 In carrying out the Project, the Contractor must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor, nor with the normal routine of the institution or agency operating at the Project site.

3.8. Contractor's Employees. The Contractor shall always enforce strict discipline and good order among its employees and shall not employ on the work any unfit person or anyone not skilled in the work assigned. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove any Contractor employee expressly named, identified or required in this Contract.

3.9. Subsurface/Unknown Site Conditions. If Project site conditions are encountered which are **(i)** subsurface or otherwise concealed physical conditions or other conditions which differ materially from those indicated in the Contract

Documents, or **(ii)** unknown conditions of an unusual nature which differ materially from those ordinarily found to exist and generally recognized as inherent or common in construction activities of the character provided for in this Contract, then prompt notice by the observing party shall be given to the other party to this Contract before Project site conditions may be disturbed; the Contractor shall thereafter wait for written instructions from the City before proceeding under such conditions.

3.10. Surveys. All surveys required under this Contract shall be performed by a State of Connecticut duly licensed land surveyor. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall perform all layout work, all field measurements and all construction staking required, necessary or prudent for the satisfactory prosecution of the Contractor's obligations under this Contract.

3.11. Permits and Licenses. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall secure and obtain all permits and all licenses required, or necessary, or prudent for the performance of the Contractor's obligations under this Contract., and for the City's occupancy, use, and operation of the Project.

3.12. Manufacturer's Directions. Where it is required in this Contract that materials, products, processes, equipment or the like be installed or applied in accord with manufacturer's directions, specifications or instructions, it shall be construed to mean that the said application or installation by the Contractor shall be in strict accord with printed instructions furnished by the manufacturer of the material concerned for use under conditions like those at the Project site. One (1) copy of such instructions shall be furnished to the City.

3.13. Review by the City. The Contractor shall permit the City and the City's duly authorized representatives and agents to review, at any time, all work performed under the terms of this Contract at any stage of the Project.

3.14. Records Maintenance. The Contractor shall maintain or cause to be maintained all records, books or other documents relative to charges, costs, expenses, fees, alleged breaches of the Contract, settlement of claims or any other matter pertaining to the Contractor's demand for payment.

3.15. Activities, Work, and Services Performed in Department of Education Facilities, on School Grounds, at Student Sporting Events, and/or where City Students are Present. For all activities in school facilities and/or Department of Education facilities, the Contractor shall first be required to coordinate all on-site visits and activities with the appropriate Department/personnel in Education, or the designated person and shall obtain any necessary clearance, ID badges, etc. Contractor shall enter and exit all school facilities and Department of Educational facilities as designated as authorized by the appropriate Department/personnel in Education, or the designated person.

3.16. Criminal Background Check and DCF Registry Check. The Contractor shall comply with the requirements of C.G.S. 10-222 c (g) and shall ensure, and represents to the City, that any employee who will be on school grounds/Department of Education Property/at Department of Education events and/or where City students are present, that will or may have direct contact with a student's while providing services pursuant to this Agreement, has stated, in writing, whether such person has ever been convicted of a crime or whether criminal charges were ever pending against such person. The Contractor shall further ensure, and represents to the City, that any person who will have direct contact with a student has submitted to a records check of the Department of Children and Families Child Abuse and Neglect Registry established pursuant to Conn. Gen. Stat. §17a-101k, as well as State and National criminal history records checks conducted in accordance with Conn. Gen. Stat. §29-17a, the Federal National Child Protection Act of 1993, and the Federal Volunteers for Children Act of 1998. The Contractor shall not permit any person with a disqualifying criminal history to have contact with a student. The contractor agrees the "direct contact" shall include the contractor and its employees providing services under this contract if said services are performed on school grounds/Department of Education Property/at Department of Education events and/or where City students are present.

4. Responsibilities of the City and City Reservation of Rights. Upon the City's receipt of Contractor's written request for specific information, the City will provide the Contractor with existing documents, data and other materials the City agrees are necessary and appropriate to the services to be performed by the Contractor hereunder and the City will endeavor to secure, where feasible and where the City agrees it is necessary and appropriate, materials or information from other sources requested by the Contractor for the purpose of carrying out the services under this Contract.

4.1. The City may, in its sole discretion, designate person(s) to act as the City's Project Engineer(s) and/or Manager(s) and the City may, in its sole discretion, define such person(s) authority and responsibilities.

4.2. The City reserves the right to **(i)** perform work related or unrelated to the Project with the City's own forces adjoining, adjacent to, or in the vicinity of, the Project site and/or **(ii)** let separate contracts related or unrelated to the Project for work and services adjoining, adjacent to, or in the vicinity of, the Project site. In such an event, the Contractor shall afford all such parties reasonable opportunity for storage of materials and equipment and for the uninterrupted provision and delivery of such parties' work and/or services. The Contractor shall cooperate with such parties and in the case of a dispute, the decision of the City shall be complied with by all.

5. Contract Time. The term of this Contract shall be three (3) years from its effective date ("Contract Time").

5.1. Attached hereto as **Attachment B**, is the Project's schedule. On a monthly basis, the Contractor shall deliver to the City a written status report setting forth an analysis and critique of the Contractor's compliance with said schedule.

5.2. Delay Damages.

5.2.1 Time is and shall be of the essence for all Project performance obligations. The Contractor further agrees that the Project shall be prosecuted regularly and diligently. It is expressly understood and agreed, by and between the Contractor and City, that the performance obligations' timing is reasonable for the Project.

5.2.1.1 The Contractor shall pay to the City the sum of the greater of **Five Hundred and 00/100 Dollars ($500)** per consecutive calendar day for each calendar day for which the Contractor is in default in completing the work as required by this Agreement, or the actual damages incurred by the City caused by the delay. The preceding sum is hereby agreed upon not as a penalty, but as delay damages for the delay that the City shall suffer due to such default.

5.2.1.2 The City shall have the right to recover all damages pursuant to any remedy at law or equity including but not limited to deducting the amount of any such damages from any monies due to the Contractor under this Contract. The Contractor understands that if the entire Work or of any portion of the Work that the City has agreed to accept separately, if any, is not attained by the applicable completion dates as set forth in the entire Section 5, the City will suffer damages, which are difficult to specify accurately and ascertain. Delay damages based upon delay shall be assessed to compensate the City for all actual loss sustained by the delay, including, but not limited to, loss of use, increased cost of material or services to complete the project, loss of State funding, all other another actual expense, and all other damages allowed by law, including attorney's fees.

5.3 No Damage for Delay. In no event shall the Contractor be entitled to any compensation or recovery of any damages in connection with any Delay, including, without limitation, consequential damages, lost opportunity damages, attorney's fees or other, similar remuneration. The City's exercise of any of its rights or remedies under the Contract Documents, including without limitation, ordering changes in the Work, or directing suspension, rescheduling or correction of the Work, regardless of the extent or frequency of the City's exercise of these rights has been contemplated by the parties and shall not be construed as an exception.

6. Compensation. The City shall compensate the Contractor for satisfactory provision of all the goods and services set forth in this Contract as follows in this Section 6. No claims for additional compensation will be considered for conditions made known to the Contractor prior to bidding. No claims for additional compensation will be considered on account of the failure of the Contractor to completely inform itself as required herein above.

6.1. Fee Schedule. Subject to retainage, limitations, etc. set forth below in this Section 6, the fee payable to the Contractor shall not exceed **TWO HUNDRED THIRTY-FIVE THOUSAND FIVE HUNDRED FORTY DOLLARS ($235,540)** (hereafter referred to as "Total Compensation") with the basis for payment being Contractor's Price Proposal (revised) set forth in **Attachment A**, which is summarized below and inclusive of the required payment and performance bonds:

i. Year 1 -- $87,603 (base payment);
ii. Year 2 -- $73,277 (base payment); and
iii. Year 3 -- $74,660 (base payment);

6.1.1 On-Call Repair Services. The Contractor shall bill for on-call repair services as per the Contractor's Price Proposal (revised) attached hereto

6.2. This is a place holder.

6.3. Limitation of Payment. Compensation to the Contractor is limited to those fees set forth in Section 6.1. of this Contract and is further limited to work **(i)** performed in fact, **(ii)** conforming with this Contract, and **(iii)** accepted in writing by a duly authorized City employee. Such compensation shall be paid by the City upon its review and approval of the Contractor's invoices for payment and review of the Contractor's work.

6.3.1 Funding. In the event this Contract is funded, in whole or in part, by Federal and/or State monies, grants, loans, etc, all City payment(s) shall fully comply with all relevant Federal and State statutes and regulations. In the event this Contract is 100% funded by Federal and/or State monies, grants, loans, etc., the aggregate sum of all City payments shall not exceed the aggregate sum of such funding.

6.3.2 The Contractor and its affiliates are hereby provided with notice that the City reserves the right, in the City's sole discretion, to offset, withhold, or otherwise reduce City payment(s) to the Contractor, in an amount equaling the sum or sums of money the Contractor and/or its affiliates is/are, or become delinquent or in arrears on, regarding the Vendor's and/or its affiliates real and personal property taxes and other payment obligations to the City.

6.4. Bid Costs. All costs of the Contractor in preparing its bid for **RFP Number 8015** shall be borne solely by the Contractor and are not included in the compensation to be paid by the City to the Contractor under this Contract or any other agreement.

6.5. Payment for Services, Materials, Appliances, Employees. The Contractor shall be responsible to the City for the suitability of services, materials and equipment furnished to comply fully with the requirements set forth in this Contract. The Contractor shall promptly pay all employees as their pay falls due, shall pay promptly as they fall due all bills for subcontractors, materials, supplies and services going into the work, and all bills for insurance, bonds, Worker's Compensation coverage, Federal

and State Unemployment Compensation, and Social Security charges applicable to this Project. Before final City payment is made, the Contractor shall furnish to the City a sworn, notarized, affidavit stating that all the foregoing payment obligations have been fully completed. Additionally, during the Project, at the City's option, it may require partial waivers of lien and claim from the Contractor and all subcontractors and materialmen with each payment application.

6.6. Liens. Neither the City's final payment nor any part of the retained percentage, if any, shall become due until the Contractor, if required by the City, shall deliver to the City a complete release of all liens arising out of this Contract, or receipts in full in lieu thereof, and, if required, in either case, an affidavit that so far as the Contractor has knowledge or information, the releases and receipts include all the labor and material for which a lien could be filed; but the Contractor may, if any subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the City, to indemnify it against any lien. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the City all moneys that the City may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fees.

6.7. Attorney's Fees and Costs. The prevailing party in any litigation arising hereunder shall be entitled to attorney's fees and costs from the losing party.

6.8. This is a Place Holder.

6.9. Payments Subject to Correction. All City payments, including those relating to extra or additional work, retainage(s), and holdback(s), shall be subject to correction. No payment, final or partial, shall act as a release to the Contractor or its surety from any Contractor obligation(s) under this Contract.

7. Warranty of the Contractor. The Contractor warrants to the City that all materials, supplies, components, equipment, etc. furnished under this Contract shall be new and of good quality, except as otherwise expressly stated and permitted by the City elsewhere in this Contract. The Contractor warrants that none of its work shall be defective. The Contractor shall be liable to repair and install and/or replace without charge any service, component, equipment or part thereof which is defective or does not conform with this Contract within the greater of **(i)** 365 calendar days after the City delivers its written notice of its acceptance of the Project and statement therein establishing the final completion date, or **(ii)** that time or date expressly stated elsewhere in this Contract or **Attachment A**.

7.1. The Contractor further warrants that all materials, supplies, services, components, equipment, reports, plans, drawings, deliverables, incidentals, etc., shall be free from all defects caused by faulty design, faulty material or poor workmanship. The Contractor shall supply to the City copies of any written manufacturer's warranties and guarantees and assign same to the City and the City shall avail itself of same to the fullest extent provided by the terms thereof. The Contractor's foregoing warranty obligations are in addition to, and not a limitation of, all manufacturer's warranties and guarantees, and any other remedy stated in this contract or otherwise available to the City under applicable law.

8. Passing of Title and Risk of Loss.

8.1. The City's beneficial use of Project equipment, materials, site-work, etc. prior to the Contractor's final completion of the Project or prior to the City's final payment for the Project shall neither act to vest title in the City nor act to transfer risk of loss from the Contractor to the City. Said title and risk shall pass to the City upon the City's final payment for the Project.

8.2. Contractor and its insurer shall assume the risks of loss or damage to the equipment up to and including the date title passes, except that City shall be responsible for loss or damage caused by City's gross negligence.

8.3. After Project equipment, materials, etc. are delivered to the Project worksite and become operable or functional, the Contractor shall not thereafter remove any such equipment, materials, etc. from the Project worksite without securing the prior written consent of an authorized City Using Agency employee.

9. Indemnification.

9.1. The Contractor shall indemnify, defend, and hold harmless the City, City's Boards, and Board of Education and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, officials and employees from and against all claims, suits, damages, losses, judgments, costs and expenses including attorney's fees arising out of or resulting from the delivery of the labor, services, equipment, materials, reports, plans, specifications, design, drawings, deliverables, incidentals, etc. provided that any such claims, suits, damages, losses, judgments, costs or expenses **(i)** are attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting there from, **(ii)** are alleged to be caused in whole or in part by any willful, intentional, negligent, or reckless act or omission of the Contractor, its employees, any subcontractor or consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder; **(iii)** enforcement action or any claim for breach of the Contractor 's duties hereunder or **(iv)** claim for intangible loss(es) including but not limited to business losses, lost profits or revenue, regardless of whether or not it is caused in part by a party indemnified hereunder.

9.2. In any and all claims against the City, Board of Education or any of City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials by the Contractor or any employee of the Contractor , any subcontractor or consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 9 above, shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any subcontractor under Worker's Compensation Acts, disability benefit acts or other employee benefit acts.

9.3. The Contractor understands and agrees that any insurance required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, defend, keep and hold harmless the City, the Board of Education, any of City's boards and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees and officials as provided in this Contract.

9.4. The Contractor expressly understands and agrees that any performance bond or insurance protection required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the City and the City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials as provided herein.

9.5. Royalties and Patents. The Contractor shall, for all time, secure to the City the free and undisputed right to the use of any and all patented articles and methods used in the work and shall defend at Contractor's own expense any and all suits for infringement or alleged infringement of such patents, and in the event of adverse award under patent suits, the Contractor shall pay such awards and hold the City harmless in connection with any patent suits that may arise as a result of installations made by the Contractor and as to any award made thereunder.

9.6. In the event this Contract and/or the Contractor's, or its subcontractor, work and services provisioned hereunder is/are subject to the provisions of any Federal or State statute or regulations, or the City Charter or City Ordinance, the Contractor shall indemnify, defend and hold harmless the City from any fine, penalty or other amounts imposed on the City under said statutes, regulations, Charter or Ordinances, if caused by Contractor, or its subcontractor, omission or commission.

10. Contract Bonds. The Contractor shall furnish to the City, prior to the execution of this Contract by the City, both a performance bond and a payment bond, each bond written for a penal sum equaling the Section 6 "Total Compensation" amount in a form and with a surety acceptable to the City. The bonds shall continue in effect for the greater of **(i)** the warranty period set forth in Section 7 of this Contract, or **(ii)** 365 calendar days after the Final Completion Date referenced elsewhere in this Contract.

11. Contractor's Insurance.

11.1. The Contractor shall not commence work under this Contract until all insurance required under this Section 11 has been obtained by the Contractor and such insurance has been approved by the City. The Contractor shall not allow any subcontractor to commence work on any subcontract until all insurance required of any such subcontractor has been obtained and approved by the City. Insurance shall be provided by insurers, satisfactory to the City and authorized to do business in the State of

Connecticut, an "A-" Best's Rating and at least a Class V3 or better financial size category as shown in the most current A.M. Best Company ratings.

11.2. At no additional cost to the City, the Contractor shall purchase and maintain the insurance coverages set forth below which shall protect the City and its Boards and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees from claims which may arise out of or result from the Contractor's obligation under this Contract, whether such obligations are the Contractor's or subcontractor or person or entity directly or indirectly employed by said Contractor or subcontractor, or by any person or entity for whose acts said Contractor or subcontractor may be liable.

11.3. Each insurance policy shall state that the insurance company shall agree to investigate and defend the insured against all claims for damages, even if groundless. If any insurance required herein is to be issued or renewed on a claims made form as opposed to an occurrence form, the retroactive date for coverage shall be no later than the effective date of this Contract and shall provide that in the event of cancellation or non-renewal, the discovery period for insurance claims ("Tail Coverage") shall be available for at least 60 months.

11.4. The following policies with stated limits shall be maintained, in full force and effect, always during which the services are to be performed by the Contractor:

11.4.1 General Liability Insurance: $1,000,000.00 per occurrence, **$2,000,000.00** aggregate and **$2,000,000.00** products and completed operations aggregate; providing coverage to protect the City for all damages arising out of bodily injuries, sickness to or death of all persons in any one accident or occurrence and for all damages arising out of destruction of property in any one accident or occurrence.

11.4.2 Automobile Liability Insurance: **$1,000,000.00** combined single limit (CSL); providing coverage to protect the City with respect to claims for damage for bodily injury and or property damage arising out of ownership, maintenance, operation, use or loading and unloading of any auto including hired & non-owned autos.

11.4.3 Workers' Compensation: Statutory Limits within the State of Connecticut: Employers' Liability:

EL Each Accident **$1,000,000.00**
EL Disease Each Employee **$1,000,000.00**
EL Disease Policy Limit **$1,000,000.00**

Contractor shall comply with all State of Connecticut statutes as it relates to workers' compensation.

11.4.4 Excess/Umbrella Liability Insurance: Excess or Umbrella insurance coverage that follows form or sits over General Liability, Automobile Liability and Workers Compensation insurances -- **$1,000,000.00** each occurrence and **$1,000,000.00** Aggregate.

11.5. Failure to Maintain Insurance: In the event the Contractor fails to maintain the minimum required coverage as set forth herein, the City may at its option purchase same, and offset the Contractor's invoices for the cost of said insurance.

11.6. Cancellation: The City of Waterbury shall receive written notice of cancellation from the Contractor at least thirty (30) calendar days prior to the date of actual cancellation, regardless of the reason for such cancellation.

11.7. Certificates of Insurance: The Contractor's General, Automobile, Builder's Risk and Excess/Umbrella Liability Insurance policies shall be endorsed to add the City and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees_as an additional insured and provide waiver of subrogation on all policies except Builder's Risk and Pollution Liability. The insurance afforded the additional insured shall be primary and non-contributory insurance and the coverage and limits provided under the Contractor's policies shall not be reduced or prorated by the existence of any other insurance applicable to any loss the additional insured may have suffered. Prior to the execution of this Contract by the City, the Contractor shall furnish to the City, subject to City approval, certificate(s) of insurance and Additional Insured Endorsement and Waiver of Subrogation Endorsement verifying the above coverages, including the naming of the City of Waterbury, as follows: **"The City of Waterbury and its Board of Education and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees are listed as additional insured on all lines of coverage as their interests may appear".** The City's Invitation to Bid Number must be shown on the certificate of insurance to assure correct filing. The Contractor must supply replacement/renewal certificates at least 30 days prior to the expiration of the policy(ies). Said certificates shall contain a provision that coverage afforded under the policies shall not be cancelled or reduced for any reasons unless notice of than thirty (30) calendar days has been mailed to the City's Using Agency and a copy to the City's Office of Corporation Counsel, 235 Grand Street, Waterbury, CT 06702.

11.8. No later than thirty (30) calendar days after Contractor receipt, the Contractor shall deliver to the City a copy of the Contractor's insurance policies and endorsements and riders.

12. Conformance with Federal, State and Other Jurisdictional Requirements. By executing this Contract, the Contractor represents and warrants that, at all pertinent and relevant times to the Contract, it has been, is and will continue to be in full compliance with all applicable statutes, acts, ordinances, guidelines, resolutions, orders, judgments, decrees, injunctions, rules, and regulations of all government authorities applicable to performance by

the Contractor of services hereunder, including those having jurisdiction over its registration and licensing to perform services hereunder; including, but not limited to, the following: **EQUAL EMPLOYMENT OPPORTUNUTY; COPELAND ANTI-KICKBACK ACT**, as supplemented in the Department of Labor Regulations (29 CFR, Part 3); **DAVIS BACON ACT** as supplemented by Department of Labor Regulations (29 CFR Part 5); Section 103 and 107 of the Contract Work Hours and Safety Standards Act, as supplemented by the Department of Labor Regulations (29 CFR Part 5); **THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974**, as amended; **TITLE 31** and Section 12-430(7) of the State of Connecticut General Statutes. All applicable sections of the City Charter and Code of Ordinances are incorporated by reference made a part hereof.

12.1. Taxes-Federal, State and Local. The City is exempt from Federal Excise and Transportation, State and Local Sales and Use Taxes, including without limitation, taxes that would otherwise be imposed upon the Contractor for transactions required or necessitated hereunder between it and its subcontractors, suppliers, etc. The Contractor remains liable, however, for any applicable tax obligations it incurs. Moreover, the Contractor represents that the bid and pricing contained in this Contract do not include the amount payable for said taxes.

12.2. Labor and Wages-Federal and State. The Contractor and its subcontractors shall conform to Federal and State of Connecticut labor laws, and all other laws, ordinances, and legal requirements affecting the work in Connecticut.

12.2.1 The Contractor is aware of, and shall comply with, the provisions of Title 31, §53 of the Connecticut General Statutes, latest revision (the "Act"), concerning the payment of minimum wages for work on public facilities. The provisions of the Act are hereby incorporated by reference and made a part of this Contract. The Act provides that the Connecticut prevailing wage law applies to certain remodeling, refurbishing, alteration, repair and new construction. The wages paid on an hourly basis to any person performing the work of any mechanic, laborer or worker on the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such person to any employee welfare fund, as defined in Conn. Gen. Stat. 31-53(i), shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such persons to any such employee welfare fund shall pay to each mechanic, laborer or worker as part of such person's wages the amount of payment or contribution for such person's classification on each pay day.

12.2.2 The Contractor is aware of, and shall comply with, as applicable, the provisions of the Federal Davis-Bacon Act, the American Rescue Plan Act, Pub. L. No. 117-2 (March 11, 2021), the Elementary and Secondary School Emergency Relief Supplemental Appropriations Act of 2021 signed into law December 27, 2020 (ESSER II Fund) and the American Rescue Plan Elementary and Secondary School Emergency Relief Fund signed into law

March 11, 2021, all the provisions of which are hereby incorporated by reference and made a part of this Contract.

12.3. Compliance with Chapters 34, 38, and 39 of the Code of Ordinances of the City. By executing this Contract, the Contractor represents and warrants that, at all pertinent and relevant times to the Contract, it has been, is and will continue to be in full compliance with the provisions of Chapters 34, 38, and 39 of the Code of Ordinances of the City and well as any other relevant provisions of the Charter and the Code of Ordinances.

13. Discriminatory Practices. In performing this Contract, the Contractor shall not discriminate against any employee or applicant for employment, with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, sex, age, religious creed, disability, national origin or ancestry, marital status, family status, prior psychiatric treatment, health care, military status or source of income or because of a handicap that is unrelated to the employee's or the applicant's ability to perform the duties of a particular job or position. Subcontracts with each subcontractor shall contain a provision requiring non-discrimination in employment as specified herein. This covenant is required pursuant to §93.04 of the Code of Ordinances of the City and any breach thereof may be regarded as a material breach of this Contract. Said provisions with subcontractors shall require conformity and compliance with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements.

13.1. Discrimination Because of Certain Labor Matters. No person employed on the work covered by this Contract shall be discharged or in any way discriminated against because such person has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or related to the labor standards applicable hereunder to its employer.

13.2. Equal Opportunity. In its execution of the performance of this Contract, the Contractor shall not discriminate and shall comply with applicable laws prohibiting discrimination on the grounds of race, color, religion, sex, national origin or citizenship status, age or handicap. The Contractor agrees to comply with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements and will require the same of all subcontractors.

13.3. Contractor Corrective Action.

13.3.1. Pursuant to Conn. Gen. Stat. § 4a-60, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

(a) Every contract to which an awarding agency is a party, every quasi-public agency project contract and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the state of Connecticut; and the contractor further agrees to take corrective action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved;

(2) The contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission on Human Rights and Opportunities;

(3) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(4) The contractor agrees to comply with each provision of this section and sections 46a-68e and 46a-68f and with each regulation or relevant order issued by said commission pursuant to sections 46a-56, as amended by this act, 46a-68e, 46a-68f and 46a-86; and

(5) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor as relate to the provisions of this section and section 46a-56, as amended by this act.

(b) If the contract is a public works contract, municipal public works contract or contract for a quasi-public agency project, the contractor agrees and warrants that he or she will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works or quasi-public agency project.

13.3.2. Pursuant to Conn. Gen. Stat. § 4a-60a, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

(a) Every contract to which an awarding agency is a party, every contract for a quasi-public agency project and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the State of Connecticut, and employees are treated when employed without regard to their sexual orientation;

(2) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(3) The contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said commission pursuant to section 46a-56; and

(4) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor which relate to the provisions of this section and section 46a-56.

14. Good Jobs Ordinance

14.1. Conformance With An Ordinance Concerning The Hiring Of Waterbury Residents On Certain Publicly Funded Construction Projects.

14.1.1 The Contractors and its Subcontractors shall comply with the specific requirements of "An Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects" (the "Good Jobs Ordinance"), as may be amended from time to time and as set forth in Chapter 34 of the Code of Ordinances of the City. While the principal provisions of the ordinance are summarized as set forth in paragraphs C-H below, the Contractor does hereby acknowledge that it has reviewed a copy of the Good Jobs Ordinance and that it has read the Ordinance, and that Contractor is familiar with the obligations imposed on the Contractor and each Subcontractor by the

Good Jobs Ordinance.

14.1.2 Failure of the Contractor or its Subcontractors to comply with the Good Jobs Ordinance shall be a material breach of this Agreement.

14.1.3 This paragraph shall apply to a Covered Project, as that term is defined in the Good Jobs Ordinance, in the City with a value of $500,000.00 or greater and only to the extent permitted by federal and state law.

14.1.4 Definitions. For purposes of this paragraph:

i. "Administrator" shall be defined as it is in the Good Jobs Ordinance.

ii. "Apprentice" shall be defined as it is in the Good Jobs Ordinance.

iii. "Basic Skilled Worker" shall be defined as it is in the Good Jobs Ordinance.

iv. "Contractor" shall be defined as it is in the Good Jobs Ordinance.

v. "Covered Project" shall be defined as it is in the Good Jobs Ordinance.

vi. "Hiring Goal" shall be defined as it is in the Good Jobs Ordinance.

vii. "Resident" shall be defined as it is in the Good Jobs Ordinance.

viii. "Subcontractor" shall be defined as it is in the Good Jobs Ordinance and shall include the Contractor's direct subcontractor providing construction work and all lower-tiered (level) providers of construction work.

14.1.5 Hiring Goals. If this Agreement requires the Contractor to perform work on a Covered Project, the Contractor and each Subcontractor shall have as its hiring goals:

i. at least thirty percent (30%) of its total worker hours performed by City Residents, and

ii. at least twenty-five percent (25%) of construction trade jobs shall go to Apprentices and/or Basic Skilled Workers, and

iii. at least seventy percent (70%) of all "new hires" (as that term is

defined in the Good Jobs Ordinance) shall be "economically disadvantaged" individuals (as that term is defined in the Good Jobs Ordinance), and

iv. a minimum of five percent (5%) of the construction workforce labor hours will be local resident, minority artisans, and

v. a minimum of five percent (5%) of the construction workforce labor hours will be women, and

vi. a minimum of ten percent (10%) of the total work hours shall be allocated for minorities, or

vii. as may otherwise be required by any superseding Federal or State employment discrimination prohibition laws.

14.1.6 Good Faith Efforts. The Contractor and each Subcontractor shall engage in Good Faith Efforts to comply with the Hiring Goals. For the purposes of this paragraph, the term "Good Faith Efforts" shall have the same meaning as it does in the Good Jobs Ordinance. The Contractor and each Subcontractor shall individually implement Good Faith efforts to satisfy the Hiring Goals.

14.1.7 Action Plan and Pre-Construction Meeting. Not later than fourteen (14) business days prior to the scheduled commencement date for construction, the Contractor shall submit a written plan-of-action to the City and to the Administrator of the Good Jobs Ordinance defining how the Contractor, and each Subcontractor, shall implement Good Faith Efforts to fulfill the Hiring Goals. Each plan-of-action shall include the anticipated number of job positions required for the Work. Not later than five (5) business day prior to the commencement date of construction, the Contractor must attend a mandatory "pre-construction" meeting with the City to review all plans-of-action and other relevant materials. No construction work shall proceed absent this pre-construction meeting.

14.1.8 Other Contractor Obligations. In addition to the foregoing, the Contractor shall ensure that all Subcontractor contracts and agreements expressly set forth and state as binding obligations therein, subject to appropriate party name change, the above Hiring Goals and Good Faith Efforts. The Contractor shall be accountable for, and liable to the City for, Contractor and each Subcontractor compliance with Hiring Goals and Good Faith efforts.

i. The Contractor shall meet with the Administrator no less than four (4) weeks prior to the commencement of construction on a Covered Project and provide the Administrator with the number of job positions to be created by the project by trade and the qualifications by job tile.

ii. The Contractor shall be required to produce Contractor and Subcontractor documentation that may be required under the provisions of the Good Jobs Ordinance or that the City or the Administrator reasonably believes will assist the City or the Administrator with their evaluation of Hiring Goals and Good Faith Efforts.

iii. The Contractor shall deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period. Moreover, the Contractor shall require each Subcontractor to create weekly certified payroll records.

iv. The Contractor's and each Subcontractor's payroll records shall include the person-hours, the residential address, race, gender, hiring date, and apprentice (job) classification of all personnel employed under this Agreement and all Contracts and Sub-Contracts thereunder. The Contractor and each Subcontractor shall mark their respective final payroll period records as being final and be signed by an authorized officer or employee.

14.2 Liquidated Damages Applicable To Section 14.1

14.2.1 If the City finds that the Contractor, or a Subcontractor, has failed to achieve Hiring Goals during any five (5) day work period (Monday through Friday), the City shall:

i. issue a written notice to the Contractor specifying the matters constituting such failure and the time period within which Good Faith Efforts documentation must be delivered to the City for its evaluation.

ii. if the Good Faith documentation is not provided or, if provided, it fails to demonstrate compliance with Good Faith Efforts, the Contractor shall, for each failure by the Contractor or a Subcontractor to achieve the Hiring Goals during a full five-day work period, pay to the City one thousand dollars ($1,000.00) as liquidated damages.

14.2.2 If the City finds that the Contractor, or a Subcontractor, has failed to deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period the Contractor shall, as liquidated damages pay one thousand dollars ($1,000.00) to the City for each week of ongoing violation.

14.2.3 The City shall provide the Contractor with an invoice identifying all sums due the City, as liquidated damages, because of the Contractor or a Subcontractor's failure to comply with the Good Jobs Ordinance as set forth above.

14.2.4 No portion of any invoice submitted by a Contractor that is subject to

liquidated damages shall be paid by the City until such time as all liquidated damages relating to that invoice have been paid to the City.

14.2.5 The foregoing liquidated damages provisions shall be expressly set forth, subject to appropriate party name adjustments, as material provisions in all Contracts that the Contractor has with Subcontractors and the Contractor is obligated hereunder to enforce compliance in such Contracts with Subcontractors.

14.2.6 Any payment of liquidated damages hereunder shall not preclude a later claim, nor any later finding of a breach, or any payment of additional damages related to such later claim.

15. Place Holder.

16. Termination.

16.1. Termination of Contract for Cause. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the City shall thereupon have the right to terminate this Contract by either **(i)** giving written notice to the Contractor of a date certain by which Contractor shall, to the written satisfaction of the City, cure after which and without further action by any party, such termination shall automatically become effective and binding, or **(ii)** giving written notice to the Contractor specifying the effective date of such termination at least five (5) business days before the effective date of such termination.

16.1.1 In the event of a termination, all finished or unfinished documents, data, studies, reports, plans, specifications, drawings, supplies, services, etc. prepared by the Contractor under this Contract shall, at the option of the City, become the City's property, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed for such.

16.1.2 Notwithstanding the above, the Contractor shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of this Contract by the Contractor, and the City may withhold any payments to the Contractor for the purpose of setoff until such time as the exact amount of damages due the City from the Contractor is determined.

16.2. Termination for Convenience of the City. The City may terminate this Contract at any time for the convenience of the City, by a notice in writing from the City to the Contractor. If this Contract is terminated by the City as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the services performed bear to the total services of the Contractor covered by this Contract, less payments of compensation previously made.

16.3. Termination for Non-Appropriation or Lack of Funding. The Contractor acknowledges that the City is a municipal corporation and that this Contract is subject to the appropriation and disbursement of funds by the City sufficient for this Contract for each budget year in which this Contract is in effect. The Contractor therefore agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City if sufficient funds to provide for City payment(s) under this Contract is not appropriated, not authorized, or not made available, or such funding has been reduced. In the event this Contract is subject, in whole or in part, to the appropriation and disbursement of Federal and/or State funds and those Federal and/or State funds are not appropriated or are not disbursed to the City, the Contractor hereby agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City.

16.3.1 Effects of Non-Appropriation. If funds to enable the City to effect continued payment under this Contract are not appropriated, authorized or otherwise made available by law, the City shall have the right to terminate this Contract without penalty at the end of the last period for which funds have been appropriated, authorized or otherwise made available by law by giving written notice of termination to the Contractor.

16.3.2 Effects of Reduced Levels of Funding. If funding is reduced by law, or funds to pay the Contractor for the agreed to level of the products, services and functions to be provided by the Contractor under this Contract are not appropriated, authorized or otherwise made available by law, the City may, upon seven (7) business days written notice to the Contractor, reduce the level of the products, services or functions in such manner and for such periods of time as the City may elect. The charges payable under this Contract shall be equitably adjusted to reflect such reduced level of products, services or functions and the parties shall be afforded the rights set forth in this Contract.

16.3.3 No Payment for Lost Profits. In no event shall the City be obligated to pay or otherwise compensate the Contractor for any lost or expected future profits.

16.4. Rights Upon Termination.

16.4.1 Termination for Cause. In the event the City terminates this Contract for cause, the Contractor shall relinquish to the City any applicable interest, title and ownership including, but not limited to, perpetual use of any proprietary rights in and to the products and deliverables delivered to, in possession of and properly invoiced and paid for by (except to the extent such invoiced amount is disputed) the City. Regarding third party products, the Contractor shall transfer all licenses which it is permitted to transfer in accordance with the applicable third-party license. The City shall have no financial obligation to compensate the Contractor for such terminated products unless payment is otherwise approved by the City prior to such termination. The Contractor shall be liable for costs incurred by the City, including but not limited to reasonable attorney

fees and all court awarded fees and costs incurred in terminating this Contract in whole or in part.

16.4.2 Termination for Lack of Funding or Convenience. In the event of termination by the City for lack of funding or convenience, the City shall pay the Contractor for all labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc.(including any holdbacks) installed and delivered to the City as of the Termination Date and the Contractor shall relinquish to the City any applicable interest, title and ownership including, but not limited to perpetual use of any proprietary rights in and to said labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. delivered to, in possession of and paid for by the City (except to the extent any invoiced amount is disputed). The Contractor shall be required to exercise commercially reasonable efforts to mitigate damages. In the event of a termination for Lack of Funding or Convenience the City and the Contractor may negotiate a mutually acceptable payment to the Contractor for reasonable demobilization expenses. Said demobilization expenses, if any, shall be handled in accordance with the provision of this Contract pertaining to changes in the Project.

16.4.3 Assumption of Subcontracts. In the event of termination, the City shall have the right to assume, at its option, one or all subcontracts for products, services and functions provided exclusively under this Contract.

16.4.4 Delivery of Documents. In the event of termination, **(i)** the Contractor shall promptly deliver to the City, in a manner reasonably specified by the City, all documents and other tangible items furnished by, or owned, leased, or licensed by, the City, and **(ii)** the City shall pay the Contractor for all services performed and deliverables completed and accepted (pro-rated for deliverables partially completed) prior to the effective date of the termination (except to the extent any invoice amount is disputed).

17. Force Majeure. Contractor shall not be held responsible for delays nor be subject to liquidated damages when such delays are caused by conditions beyond its control, including without limitation:

17.1. Acts of God, fire, explosion, epidemic, cyclone, flood, war, strikes, revolution, civil commotion, or acts of public enemies; and

17.2. Change of law and order, proclamation, regulation, ordinance, or governmental requirement.

17.3 Upon cessation of work for reason of force majeure delays, Contractor shall use its best efforts to meet the schedule set forth in Section 5 of this Contract.

18. Subcontracting. The Contractor shall not, without the prior written approval of the City's Using Agency, subcontract, in whole or in part, any of the Contractor's services. Any

subcontractor so approved shall be required to secure and maintain insurance coverage equal to or better than that required of the Contractor and shall name the City as an additional insured party and said subcontractors shall deliver to the City a certificate of insurance evidencing such coverages. All subcontractors shall comply with all federal, state and local, laws, regulations and ordinances but such requirement shall not relieve the Contractor from its requirement that all services provided hereunder shall comply with all Federal, State and local, laws, regulations and ordinances.

18.1. The Contractor shall be as fully responsible to the City for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by the Contractor.

18.2. The Contractor is responsible for and shall control activities of its subcontractors, and the subcontractors shall consult and cooperate with one another and other contractors working on the Project site. Each subcontractor shall furnish all necessary information to other subcontractors and shall lay out and install its own work to avoid any delays or interferences with the work of another. Any cost for changes, cutting and/or repairing, made necessary by failure to observe the above requirements shall be borne by the Contractor or subcontractor responsible for such failure or neglect.

18.3. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove a subcontractor.

19. Assignability. The Contractor shall not assign any interest in this Contract and shall not transfer any interest in the same (whether by assignment or novation) without the prior written approval of the City; provided, however, that claims for money due or to become due the Contractor from the City under this Contract may be assigned to a bank, trust, company, or other financial institution, or to a Trustee in Bankruptcy, without such approval. Notice of any such assignment or transfer shall be furnished promptly to the City.

20. Audit. The City reserves the right to audit the Contractor's books of account in relation to this Contract at any time during the period of this Contract or at any time during the twelve-month period immediately following the closing or termination of this Contract. In the event the City elects to make such an audit, the Contractor shall immediately make available to the City all records pertaining to this Contract, including, but not limited to, payroll records, bank statements and canceled checks.

21. Interest of City Officials. No member of the governing bodies of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the Project to which this Contract pertains, shall have any personal interest, direct or indirect, in this Contract.

22. Interest of Contractor. The Contractor covenants that it presently has no interest and shall not acquire any interest, direct or indirect, in the Project or any parcel of land therein or any other interest which would conflict in any manner or degree with the performance of its

services hereunder. The Contractor further covenants that in the performance of this Contract no person having any such interest shall be employed.

23. Entire Contract. This Contract shall constitute the complete and exclusive statement of the contract between the parties as it relates to this transaction and supersedes all previous agreements and understandings, whether written or oral, relating to such subject matter. Any amendment to this Contract must be in writing and agreed to and executed by the City and the Contractor and must comply with the City's Charter and Code of Ordinances.

24. Independent Contractor Relationship. The relationship between the City and the Contractor is that of client and independent contractor. No agent, employee, or servant of the Contractor shall be deemed to be an employee, agent or servant of the City. The Contractor shall be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subcontractors during the performance of this Contract.

25. Severability. Whenever possible, each provision of this Contract shall be interpreted in such a manner as to be effective and valid under applicable law. If any provision of this Contract, however, is held to be prohibited or invalid under applicable law, such provision shall be deemed restated to reflect the original intentions of the parties, as nearly as possible in accordance with applicable law, and if capable of substantial performance, the remaining provisions of this Contract shall be enforced as if this Contract was entered into without an invalid provision. If the ruling and/or controlling principle of law or equity leading to the ruling is subsequently overruled, modified or amended by legislation, judicial or administrative action, then the provision(s) in question as originally set forth in this Contract shall be deemed valid and enforceable to the maximum extent permitted by the new controlling principal of law or equity.

26. Survival. Any provisions of this Contract that impose continuing obligations on the parties shall survive the expiration or termination of this Contract for any reason.

27. Changes in the Project: Change Orders.

27.1. Requests for Change Orders. The City reserves the right on its own volition or based upon a proposal for a Change Order submitted in written form with a thorough explanation by the Contractor, to request from time to time any changes to the requirements and specifications of this Contract and the products to be provided and the functions and services to be performed by the Contractor under this Contract. Such changes must be authorized by the City. The City will not approve of any change orders, deletions, additions, or additional work items to the Scope of Services or any change in the terms and conditions of this Contract except by means of a City authorized amended Scope of Services, applicable and restricted to those items set forth in §1, above, or Change Order issued as set forth in this section, except in the event of an emergency endangering life or property.

27.2. Procedures.

27.2.1 The Contractor's Response to a Change Request.

i. Within thirty (30) calendar days after receipt of a request by the City for any such change or such other period as the Parties may mutually agree to in writing, the Contractor shall submit to the City a proposal describing any changes in Contract Milestones or Contract completion dates, products, functions, timing of delivery, assignment of personnel, and the like, and any associated price adjustment. The Contractor's proposal shall describe, in detail, the basis for the proposed price adjustment, including the charges for any products required to implement the change request.

ii. To the extent that additional costs or cost savings result from a change in required products, the Contractor shall obtain any additional products and provide them to the City at a negotiated price acceptable to the City and the Contractor. Similarly, if the change request is expected to result in a reduction in products required to perform the services, the Contractor's charges shall be reduced by the cost savings resulting from the products eliminated by the change request.

27.2.2 City's Acceptance of Change Request. If the City accepts the Contractor's proposal, the City shall issue a change order referencing the Contractor's proposal and both parties shall sign the change order. The Contractor shall not implement any change request until the City has issued a valid, properly executed, change order.

27.2.3 City's Rejection of Change Request. If the City does not accept the Contractor's proposal, the City may within two weeks of such non-acceptance: **(i)** withdraw its change request; or, **(ii)** modify its change request, in which case the procedures set forth above shall apply to the Contractor's response to the modified change request.

27.3. City Discretion. The City may, in its sole discretion, approve the proposed Change Order and shall forward same for additional signatures under the following conditions: **(i)** If it conforms to provisions of applicable laws, and **(ii)** if it is consistent with this Contract, and **(iii)** if the time of performance of this Contract will not be unreasonably delayed, **(iv)** the Final Completion date is not changed, **(v)** if the Change Order requires a change to the Final Completion date, such change has been authorized by an approved, executed, written Amendment to this Contract, and **(vii)** if the Change Order requires an increase in the price of the Contract, the City **(1)** has sufficient funds, and **(2)** if a budget transfer is required to cover the cost of the proposed Change Order, such transfer has secured the written approval of the Board of Aldermen and other required regulatory agencies.

27.4. Change Orders Governed by the Provisions of this Contract. All work performed under a Change Order is governed by the provisions of this Contract.

28. Conflicts or Disputes. This Contract represents the concurrence between the City and the Contractor and governs all disputes between them. In the instance of a conflict or dispute over issues not specifically referenced within the Contract, the following documents shall be used as historical documents, without regard to the order of precedence, to resolve such conflicts or disputes, as follows: **(i)** the City's **RFP Number 8015** and **(ii)** the Contractor's Bid response to **RFP Number 8015**, dated June 12, 2024. Said historical documents are attached hereto as part of **Attachment A.**

28.1. Procedure. This procedure supersedes all statements to the contrary occurring either in proposals or other prior agreements, oral or written, and all other communications between the parties relating to this subject.

28.2. Presumption. This Contract or any section thereof shall not be construed against any party because the Contract or any section thereof was drafted by such party.

29. Disputes; Legal Proceedings; Waiver of Trial by Jury and Continued Performance. The Contractor agrees that it waives a trial by jury as to all claims, causes of action or disputes arising out of this Contract or services to be provided pursuant to this Contract. Notwithstanding any such claim, dispute or legal action, the Contractor shall continue to perform services under this Contract in a timely manner, unless otherwise directed by the City.

30. Binding Contract. The City and the Contractor each bind themselves, and their successors, assigns and legal representatives to the other party to this Contract and to the successors, assigns and legal representatives of such other party with respect to all covenants of this Contract.

31. Waiver. Any waiver of the terms and conditions of this Contract by either of the parties hereto shall not be construed to be a waiver of any other term or condition of this Contract.

32. Governing Laws. This Contract, its terms and conditions and any claims arising there from shall be governed by the laws of the State of Connecticut.

33. Notice. Except as otherwise specifically prohibited in this Contract, whenever under this Contract approvals, authorizations, determinations, notices, satisfactions or waivers are required or permitted, such items shall be effective and valid only when given in writing signed by a duly authorized officer of the City or the Contractor, and delivered in hand or sent by mail, postage prepaid, to the party to whom it is directed, which until changed by written notice, are as follows:

Contractor: Tucker Mechanical, Inc.
795 Brook Street
Rocky Hill, CT 06067

City: City of Waterbury

City Hall
235 Grand Street
Waterbury, CT 06702

With a copy to: Waterbury Corporation Counsel's Office
City of Waterbury
City Hall
235 Grand Street
Waterbury, CT 06702

34. City Code of Ordinances, Ethics and Conflict of Interest Code, Provisions. The Person (the term "Person" shall herein be as defined in Section 38 of the City's Code of Ordinances) supplying the labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. under this Contract shall comply with all applicable Federal, State and Municipal statutes, regulations, charters, ordinances, rules, etc, whether they are expressly stated in this Contract, including but not limited to the following:

34.1. It shall be a material breach of this Contract, and, except as may be permitted by regulations or rulings of the City of Waterbury Board of Ethics it shall be a violation of the City's Code of Ordinances, for any Public Official, City Employee or Member of a Board or Commission who is participating directly or indirectly in the procurement process as set forth in the City's Code of Ordinances, including those participating in exempt transactions, to become or be the employee of any person contracting with the governmental body by whom the Official, Employee, or Board or Commission member is employed or is a member.

34.2. It shall be a material breach of this Contract, and it shall be a violation of the City's Code of Ordinances for any Person to offer, give, or agree to give any current or former Public Official, Employee or Member of a Board or Commission, or for such current or former Public Official, Employee or Member of a Board or Commission to solicit, demand, accept or agree to accept from another Person, a gratuity or an offer of employment in connection with any: decision; approval; disapproval; recommendation; preparation of any part of a program requirement or a requisition; influencing the content of any specification or procurement standard; or rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a Contract or Purchase Order, or to any solicitation or proposal therefore.

34.3. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for any payment, Gratuity, or offer of employment to be made as an inducement for the award of a subcontract or order, by or on behalf of a subcontractor, the prime Contractor or higher tier subcontractor or any Person associated therewith, under a Contract or Purchase Order to the City.

34.4. The value of anything transferred or received in violation of the City's Charter, Code of Ordinances, and/or regulations promulgated there under, by any Person subject to said Charter and/or Ordinances may be recovered by the City.

34.5. Upon a showing that a subcontractor made a kickback to the City, a prime Contractor or a higher tier subcontractor in connection with the award of a subcontract or order there under, it shall be conclusively presumed that the amount thereof was included in the price of the subcontract or order and ultimately borne by the City and will be recoverable hereunder from the recipient. In addition, said value may also be recovered from the subcontractor making such kickbacks. Recovery from one offending party shall not preclude recovery from other offending parties.

34.6. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for a Person to be retained, or to retain a Person, to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee; and every Person, before being awarded a City Contract, shall deliver to the City, on a City authored form, a representation that such Person has not retained anyone in violation of this subsection 34.6, the failure to deliver said form being a material breach of this Contract and a violation of the City's Code of Ordinances. Note, however, this subsection 34.6 shall not apply to full-time Employees who, as a condition of their employment, may be entitled to bonuses or other fees in accordance with their employment relationship.

34.7. The Person hereby expressly represents that he/she/it has complied with those sections of the City's Code of Ordinances requiring that said Person has **(i)** delivered to the City an affidavit, on a City authored form, stating that the Person and its affiliates have no delinquent taxes or other financial obligations owned to the City; **(ii)** filed the City authored financial disclosure statement form as set forth in the City's Code of Ordinances regarding disclosure of financial interests; **(iii)** delivered to the City a written acknowledgement, on a City authored form, evidencing receipt of a copy of the "Ethics and Conflict of Interest" ordinance for the City of Waterbury and hereby expressly represents that said Person is in full compliance with the entirety of said Code of Ordinances; and **(iv)** filed a current list of all taxable personal and real property as required by the State of Connecticut General Statutes. Any violation of this subsection 34.7 shall be deemed a material breach of this Contract and shall be a violation of the City's Code of Ordinances.

34.8. The definitions set forth in the City's Code of Ordinances shall be the primary source for interpretation of the forgoing subsections 34.1-34.7.

34.9. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, all relevant provisions of the City's Charter and all relevant provisions of the City's Code of Ordinances, including without limitation Chapters 93, titled "Discriminatory Practices", Chapter 38 titled "Centralized Procurement System", and Chapter 39 titled "Ethics and Conflict of Interest", of said Code as may be amended from time to time.

34.10. The Contractor hereby acknowledges receipt of a copy of the Chapters 38 and 39 of City's Ordinance regarding Procurement, Ethics, and Conflicts of Interest and has familiarized itself with said Code and hereby agrees to adhere to said Code. The text of Chapters 38 and 39 of said Code may be obtained from the Office of the City Clerk of the City and on the internet at the City Clerk's web site: *http://www.waterburyct.org/content/458/539/default.aspx* [click link titled "The City of Waterbury Code of Ordinances *Passed 8/24/2009*". For Chapter 38, click on **"TITLE III: ADMINISTRATION",** then click **on "CHAPTER 38: CENTRALIZED PROCUREMENT SYSTEM".** For Chapter 39, click on **"TITLE III: ADMINISTRATION"**, then click on **"CHAPTER 39: ETHICS AND CONFLICTS OF INTEREST"**].

34.11. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, the City's Ordinance Sections 34.15 through 34.99 entitled, "Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects," and the State of Connecticut Legislature's Special Act No. 01-1.

34.12. Every Person who conducts business with, contracts, with or provides commodities or services to the City, is charged with notice of the extent of the powers and authority, and the limitations thereon, of the Public Officials and Employees of the City, as set forth in the charter of the City, the Code of Ordinances and any Regulations or Policies pertaining thereto. In particular, and without implying any limitation as to its applicability, it applies to all Persons who participate in the procedures pertaining to the Centralized Procurement System as set forth in Chapter 38, and the Ethics and Conflict of Interest provisions set forth in Chapter 39 of the Code of Ordinances.

34.13. INTEREST OF CITY OFFICIALS. No member of the governing body of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the project, to which this agreement pertains, shall have any personal interest, direct or indirect, in this agreement.

34.14. PROHIBITION AGAINST CONTINGENCY FEES. The Contractor hereby represents that it has not retained anyone to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage or contingency fee.

34.15. FREEDOM OF INFORMATION ACT NOTICE. Pursuant to State statute, in the event the total compensation payable to the Contractor set forth in Section 6 of this Contract is greater than $2,500,000.00, the City is entitled to receive a copy of all Contractor records and files related to the performance of this Contract and those records and files are subject to the Freedom of Information Act ("the Act") and may be disclosed by the City pursuant to the Act.

35. Definitions. Whenever the following, words, terms, etc. appear in this Contract, the intent and meaning shall be as follows:

35.1. Additional Work: Work required by the City that involves a substantial addition to, deduction from or modification of the Contract Documents.

35.2. Bid or Proposal: The form on which the bidder is to submit a bid for the Work contemplated.

35.3. Bidder: A person, partnership, corporation or other business organization submitting a bid on the form for the Work contemplated.

35.4. City: The City of Waterbury, acting directly or through specifically authorized personnel.

35.5. Construction Supervisor: An employee of the City of Waterbury, or another City duly authorized person.

35.6. Contract Time: The number of days as stated in the Contract to: **(i)** achieve Substantial Completion and **(ii)** Final Completion.

35.7. Equal: The recognized equivalent in substance and function; considering quality, workmanship, economy of operation, durability and suitability for purposes intended, and not constituting a change in the Work specified. Whenever the words "equal" or "equals" or words of like import are used, it shall be understood they mean "equal" in the opinion of the City.

35.8. Final Completion: The time at which the Project has progressed to the point where, in the opinion of the City, the Project is complete such that it is ready for final payment as evidenced by the City's, or its duly authorized City representative's, written recommendation of final payment. The terms "finally complete" and "finally completed" as applied to the Project refer to Final Completion.

35.9. Notice to Proceed: A letter from the City which shall state the date of execution of the Contract and specifically advise the Contractor to begin work on the Contract.

35.10. Plans: All drawings or reproductions of drawings pertaining to the construction of the work contemplated and its appurtenances.

35.11. Project Engineer or Manager: An employee of the City or a person, partnership, corporation or other business organization under contract with the City, commissioned to perform construction administration and inspection duties during construction.

35.12. Shop Drawings: Drawings, diagrams, schedules, performance charts, brochures and other materials prepared by the Contractor or subcontractors, manufacturers or distributors which illustrate some portion of the work.

35.13. Specifications or Technical Specifications: The description, provisions and other requirements pertaining to the materials, methods and manner of performing the Project.

35.14. Subcontractor: A person, partnership, corporation or other business organization supplying labor and/or materials for work at the site of the Project to and under agreement with the Contractor.

35.15. Substantial Completion: The time at which, in the opinion of the Engineer, the Project (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Project (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Project mean Substantial Completion thereof.

35.16. Substitution: A replacement of specified material, device or equipment which is sufficiently different in substance, function, quality or workmanship to become the subject of a Change Order.

35.17. Supplementary General Conditions: An extension to the terms, conditions, and provisions set forth in this document as additional, material, provisions of this Contract.

35.18. Work: All plant, labor, materials, services, supplies, equipment and other facilities and items necessary for, or incidental to, the completion of the terms of the Contract.

35.19. Using Agency: School Inspector's Office, Department of Education.

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties hereto execute this Contract on the dates signed below.

WITNESSES:

_____

_____

CITY OF WATERBURY

By:_____
Paul K. Pernerewski, Jr., Mayor

Date: _____

WITNESSES:

_____

_____

TUCKER MECHANICAL, INC.

By:_____
_____, duly authorized

Date: _____

ATTACHMENT A

ATTACHMENT B

KEVIN McCAFFERY
DIRECTOR OF PURCHASING



OFFICE OF THE DIRECTOR OF PURCHASING
THE CITY OF WATERBURY
CONNECTICUT

September 20, 2024

Ben Bosco
Tucker Mechanical, Inc.
795 Brook Street
Rocky Hill, CT 06067

RFP# 8015
Project: Multi-Year HVAC Chiller Maintenance Services

Dear Mr. Bosco,

On behalf of the City of Waterbury I want to inform you that your firm has been selected for the above-mentioned City project. In order to contract with the City of Waterbury a written contract must be approved by the Corporation Counsel and all required City Boards.

You will be contacted in the immediate future by a member of our Legal Department.

Sincerely,

Kevin McCaffery
Director of Purchasing

235 GRAND STREET • WATERBURY, CONNECTICUT 06702 • PHONE (203) 574-6749 • FAX (203) 597-3437

JPY CLEAN 5.6.24

REQUEST FOR PROPOSAL NO. 8015
BY
THE CITY OF WATERBURY
DEPARTMENT OF EDUCATION
FOR
MULTI-YEAR HVAC CHILLER MAINTENANCE SERVICES

Pursuant to this Request for Proposal ("RFP"), the City of Waterbury, Department of Education (the "City"), is seeking proposals from third parties (each a "proposer" or "contractor") to provide multi-year HVAC chiller maintenance services.

A. Background and Intent

The City seeks a multi-year agreement for district-wide HVAC chiller maintenance services**.**

B. Qualifications

Eligible proposers will be those consultants, businesses, and institutions that have the following qualifications:

1. Experience and expertise providing the types of or similar services as those outlined in the Scope of Services in this RFP;
2. A proposer with a proven track record in providing these types of or similar services for municipal governments; and
3. Knowledge of Federal and State laws and regulations governing the services outlined in this RFP.

C. Scope of Services

See **Attachment G**.

D. Agreement Period

The agreement period for any contract or purchase order resulting from this RFP is anticipated to be 3 years.

E. Insurance

The respondent shall provide insurance as set for in **Attachment D** provided by insurers, satisfactory to the City and authorized to do business in the State of Connecticut, an "A-" Best's Rating and at least a Class V3 or better financial category as shown in the most current A.M. Best Company ratings.

F. General Information

1. The City is an Equal Opportunity and Affirmative Action employer and does not discriminate in its hiring, employment, or business practices. The City is committed to complying with the Americans with Disabilities Act of 1990 (ADA) and

does not discriminate on the basis of disability, in admission to, access to, or operation of its programs, services, or activities.

2. **There will be a <u>Mandatory</u> <u>Information</u> <u>Session</u> with respect to this RFP on May 28, 2024 @ 9am beginning at Crosby High School 300 Pierpont Rd, then Rotella Magnet School 380 Pierpont Rd, Waterbury CT. which represent the various systems in the City of Waterbury.**

3. Proposers must complete and sign the items and any forms included in **<u>Attachment A</u>** - Contract Compliance Packet.

4. All questions and communications about this request for Proposal and submission requirements must be directed to the City of Waterbury ProcureWare website and must be received **by 2:00 p.m. on May 31, 2024**. Prospective proposers must limit their contact regarding this RFP to the Purchasing Director or such other person otherwise designated by the Purchasing Director. Responses to questions submitted by the above date or identified at any Information Session to be held in regard to this RFP, **along with any changes or amendments to this RFP**, will be available via the City of Waterbury ProcureWare website **by June 5, 2024, 2:00 p.m.**. It shall be the responsibility of the proposer to download this information. If you have any procedural questions in this regard, please call the Purchasing Director at (203) 574-6748.

G. Management

Any contract or purchase order resulting from this RFP will be managed by the City's School Inspector's Office.

H. Conditions

All those submitting proposals must be willing to adhere to the following conditions and must positively state this in the proposal:

1. All proposals in response to this RFP are to be the sole property of the City. Proposers are encouraged **not** to include in their proposals any information which is proprietary. All materials associated with this procurement process are subject to the terms of state laws defining freedom of information and privacy and all rules, regulations and interpretations resulting from those laws.

2. Any product, whether acceptable or unacceptable, developed under a contract awarded as a result of the RFP is to be the sole property of the City.

3. The timing and sequence of events resulting from this RFP will ultimately be determined by the City.

4. The proposer agrees that the proposal will remain valid for a period of **one hundred twenty (120)** days after the closing date for the submission and may be extended beyond that time by mutual agreement.

5. The City may amend the terms or cancel this RFP any time prior to the execution of a contract or purchase order for these services if the City deems it to be necessary, appropriate or otherwise in the best interests of the City. Failure to acknowledge receipt of amendments, in accordance with the instructions contained in the amendments, may result in a proposal not being considered. At his option, the City's Director of Purchasing may provide all proposers with a limited opportunity to remedy any technical deficiencies identified by the City in their initial review of proposals.

6. The proposer must certify that the personnel identified in its response to this RFP will be the persons assigned to the project. Any additions, deletions or changes in personnel from the proposal during the course of the agreement period must be approved by the City, with the exception of personnel who have terminated employment. Replacements for personnel who have terminated employment are subject to approval by the City. At its discretion, the City may require the removal and replacement of any of the proposer's personnel who do not perform adequately, regardless of whether they were previously approved by the City.

7. All subcontractors hired by the proposer awarded a contract or purchase order because of this RFP must have prior approval of the City prior to and during the agreement period.

8. Any costs and expenses incurred by proposers in preparing or submitting proposals are the sole responsibility of the proposer.

9. A proposer must be prepared to present evidence of experience, ability, financial standing, and any other information deemed necessary by the City to satisfactorily meet the requirements set forth or implied in the proposal.

10. No additions or changes to the original proposal will be allowed after submittal, except as may be allowed by the City, at its option, in accordance with Section H.5. of this RFP. While changes are not permitted, clarification of proposals may be required by the City at the proposer's sole cost and expense. The final price and scope of services of any contract or purchase order resulting from this RFP may be negotiated with the responsible proposers.

11. The proposer may be required to give presentations to the extent necessary to satisfy the City's requirements or needs. In some cases, proposers may have to give presentations or further explanation to any RFP selection committee established by the City.

12. The proposer represents and warrants that the proposal is not made in connection with any other proposer and is in all respects fair and without collusion or fraud. The proposer further represents and warrants that it did not participate in any part of the RFP development process, had no knowledge of the specific contents of the RFP prior to its issuance, and that no agent, representative or employee of the City participated directly in the proposer's proposal preparation.

13. All responses to the RFP must conform to instruction. Failure to include any required signatures, provide the required number of copies, to meet deadlines, answer all questions, follow the requested format, or failure to comply with any other requirements of this RFP may be considered appropriate cause for rejection of the response.

14. The proposer must accept the City's standard agreement language. **See Attachment B**.

15. Any contract or purchase order resulting from this RFP process will represent the entire agreement between the proposer and the City and will supersede all prior negotiations, representations or agreements, alleged or made, between the parties. The City shall assume no liability for payment of services under the terms of the contract or purchase order until the successful proposer is notified that the contract or purchase order has been accepted and approved by the City. Any contract resulting from this RFP may be amended only by means of a written instrument signed by the proposer and signed by the Mayor.

I. Proposal Requirements & Required Format

One original (clearly identified as such) and **three (3)** paper copies of the proposal, as well as a copy of the original proposal in pdf format on a CD or flash drive, must be received at the following address no later than **10:30 AM on June 12, 2024. Proposals received after that time shall not be considered.**

Mr. Kevin McCaffery
Director of Purchasing
City of Waterbury
235 Grand Street
Room 103
Waterbury, CT 06702

Proposals submitted must be bound, paginated, indexed and numbered consecutively. Proposers shall complete **Attachment C** addressed to Mr. McCaffery, which, in part, includes a statement by the proposer accepting all terms and conditions and requirements contained in the RFP, and which shall be signed by a duly authorized official of the organization submitting the proposal. In **Attachment C**, proposers shall also identify the name of a contact person, along with their telephone number, email address, if applicable, and address, who can be contacted for the purpose of clarifying the information contained in their response to this RFP. In addition to any other information required in **Attachment C**, proposers shall provide their firm's authorization and a request to any persons, firm, or corporation to furnish any information requested by the City of Waterbury in verification of the recitals included in its response to this RFP.

Proposals must set forth accurate and complete information for each of the items listed below. At the City's discretion, failure to do so could result in disqualification.

1. Proposer Information: Please provide the following information:

   a. Firm Name;
   b. Permanent main office address;
   c. Date firm organized;
   d. Legal Form of ownership. If a corporation, indicate where incorporated;
   e. How many years have you been engaged in services you provide under your present name?; and
   f. Names, titles, reporting relationships, and background and experience of the principal members of your organization, including officers.

2. Experience, Expertise and Capabilities.

   a. Philosophy Statement and Business Focus. A statement of the proposer's philosophy and approach in undertaking the services of the nature outlined in the RFP, as well as a description of its primary business focus.
   b. Summary of Relevant Experience. A listing of all projects that the proposer has completed within the last three (3) years must be provided, as well as all projects of a similar nature to those included in the Scope of Services in this RFP. The following information shall be provided for each organization listed under this subsection:
      - Organization name and the name, title, address and telephone number of a responsible contact person;
      - Nature of services provided, and dates services started and actually completed. Please indicate, for each assignment, if it was completed within the original contract timeframe and budget. If not, please explain;
      - For each project done for a municipality or other government agency, please indicate the gross cost of the agreement; and
      - Additionally, please list any contracts or purchase orders in the last three (3) years between the proposer and any agency of the City of Waterbury.
   c. Personnel Listing. A complete listing of the staff identified in the work plan by job classification, along with their resumes. Each resume shall include the individual's qualifications and experience in the subject area.
   d. Conflict of Interest. Disclose any current (within the last 3 years) business, financial, personal or other types of relationships which may pose a conflict of interest.

3. Statement of Qualifications and Work Plan.

   a. Qualifications. Please describe your firm's qualifications, experience and capabilities as they pertain to each of the areas of qualifications listed, as well as those of the personnel to be assigned to this project.
   b. Work Plan. Please describe the approach that would be generally followed in undertaking the Scope of Services in Section C above.
   c. Services Expected of the City. Identify the nature and scope of the services that would be generally required of the City in undertaking these projects.

4. Cost Schedule. Proposals shall include a single price for work to be performed in accordance with this RFP, inclusive of all personnel and non-personnel expenses, as per **Attachment E**. This price should encompass the entire Scope of Services in this RFP. The City reserves the right to negotiate costs, scope of services, and key personnel based on provider proposals. In order for the City to evaluate the proposed cost, proposers must include for each element in the Work Plan outlined in Section I.3.b. above, the staff, hours, hourly rates and the total cost. Include details generally associated with non-personnel costs as an additional cost section.

   Since the City may desire to consider the proposer's experience, qualifications, statement of work, and other aspects of the RFP prior to the Cost Proposal, the Cost Proposal shall be sealed in a separate envelope marked "Confidential: Cost Proposal."

   Note: The City is exempt from the payment of excise, transportation and sales taxes imposed by the Federal Government and/or the State; such taxes must not be included in prices.

5. Information Regarding: Failure to Complete Work, Default and Litigation.

   Please respond to the following questions:

   a. Have you ever failed to complete any work awarded to you? If so, where and why?;
   b. Have you ever defaulted on a contract? If so, where and why?;
   c. Is there any pending litigation which could affect your organization's ability to perform this agreement? If so, please describe;
   d. Has your firm ever had a contract terminated for cause within the past five years? If yes, provide details;
   e. Has your firm been named in a lawsuit related to errors and omissions within the past five years? If yes, provide details;
   f. During the past seven years, has your firm ever filed for protection under the Federal bankruptcy laws? If yes, provide details;and
   g. Are there any other factors or information that could affect your firm's ability to provide the services being sought about which the City should be aware?

6. Exceptions and Alternatives. Proposers wishing to take any exceptions to any requirement in the RFP shall state and explain such exceptions. The City may accept proposals which take exception to any requirements in this RFP, or which offer any alternative to a requirement herein, as well as consider such exceptions and alternatives in evaluating responses. Any exception or alternative must be clearly delineated and cannot materially affect the substance of this Request for Proposals.

7. Additional Data. Any additional information which the proposer wishes to bring to the attention of the City relevant to this RFP.

J. Evaluation of Proposals; Selection Process

1. Evaluation Criteria.

The following criteria are expected to be among those utilized in the selection process. They are presented as a guide for the proposer in understanding the City's requirements and expectations for this project and are not necessarily all inclusive or presented in order of importance.

a. Proposed statement of work. Emphasis will be on the grasp of the issues involved, soundness of approach and the quality of the overall proposal.

b. Proposed cost schedule.

c. Experience, expertise, and capabilities of the proposer. Background, qualifications, and previous experience of personnel to be assigned to the project and their demonstrated competence, experience and expertise in the type of work to be performed. The type of experience, expertise, capabilities, and qualifications desired are outlined in Section B. - Qualifications of this RFP. The City may contact one or more of the organization references listed in Section I.2.b. of this RFP as part of assessing the experience, expertise and capabilities of the proposers or those selected as the finalist(s).

d. Time, Project and Cost Schedule**.** Emphasis will be on the proposer's record with completing tasks and producing the necessary products within required time frames and within budget.

2. Selection Process.

The City of Waterbury may elect to have the proposals evaluated by a committee as part of the selection process. If deemed necessary, the City reserves the right to arrange interviews/oral presentations, which invitations for interviews may involve a short-listing of the proposals received.

K. Rights Reserved To The City

The City reserves the right to award in part, to reject any and all proposals in whole or in part for misrepresentation or if the proposer is in default of any prior City contract, or if

the proposal limits or modifies any of the terms and conditions and/or specifications of the RFP. The City also reserves the right to waive technical defects, irregularities and omissions if, in its judgment, the best interest of the City will be served.

L. Federal, State and Local Employment Requirements

Contractors shall be obligated to fully comply with the attached Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects, i.e., City of Waterbury Ordinances Chapter 34 ("Good Jobs Ordinance"), Federal Davis- Bacon Act, Federal American Recovery and Reinvestment Act of 2009, and the Housing and Urban Development Section 3 Clause, all as further specified in the attached City of Waterbury Contract form. Also attached hereto, is a full copy of the aforesaid City of Waterbury Ordinance, commonly referred to as the "Good Jobs Ordinance":

1. The City's Good Jobs Ordinance (Code of Ordinances Chapter 34) applies to this Project. Proposes attention is further directed to the aforesaid City of Waterbury Ordinance, commonly referred to as the "Good Jobs Ordinance," attached hereto as Attachment B-1; and

2. Wage rates for this Project are subject to the minimum wage rates as per State of Connecticut Labor Department "Prevailing Wage Rates" and Federal Davis-Bacon Act.

M. State Set-Aside Requirements - NOT APPLICABLE

The contractor who is selected to perform this municipal public works project, funded in whole or part by the State, must comply with CONN. GEN. STAT. §§ 4a-60, 4a-60a, 4a-60g, and 46a-68b through 46a-68f, inclusive, as amended by June 2015 Special Session Public Act 15-5. An Affirmative Action Plan must be filed with and approved by the Commission on Human Rights and Opportunities prior to the commencement of construction.

State law requires a minimum of twenty-five (25%) percent of the state-funded portion of the contract for award to subcontractors holding current certification from the Connecticut Department of Administrative Services ("DAS") under the provisions of CONN. GEN. STAT. § 4a-60g, as amended. (25% of the work with DAS certified Small and Minority owned businesses and 25% of that work with DAS certified Minority, Women and/or Disabled owned businesses.) The contractor must demonstrate good faith in making an effort to meet the 25% set-aside goals.

For municipal public works contracts, the contractor must file a written or electronic non-discrimination certification with the Commission on Human Rights and Opportunities. Forms can be found at:

http://www.ct.gov/opm/cwp/view.asp?a=2982&q=390928&opmNav_GID=1806.

N. State DAS Requirements for Construction Projects

If applicable, proposers shall submit with their Proposals their DAS Contractor Prequalification Certificate along with a current Updated Bid/Proposal Statement. In addition, any named subcontractor whose subcontract value is equal to or greater than $500,000 shall hold a current DAS Contractor Prequalification Certificate in the closest applicable Classification of the work that the Subcontractor will complete in the contract. The proposer must submit with their proposal all applicable Subcontractor DAS Prequalification certificates. Any Proposal submitted without a copy of the DAS Prequalification Certificate and an Updated Bid/Proposal Statement for the proposal and DAS Prequalification Certificates for subcontractors whose subcontract value is equal to or greater than $500,000 shall be invalid.

The successful proposer and each of its subcontractors having subcontracts in value equal to or greater than $500,000 shall maintain and keep always current their respective DAS Contractor Prequalification Certificates during the term of the Contract and any warranty period set forth in the Contract Documents.

O. Bid Bond

Each Proposal submitted shall be accompanied by a Proposal Security (a Certified Check or Bid Bond) in the amount of ten (10) percent of the Total Proposal Price.

P. Performance/Payment Bonds

The proposer to whom a contract in execss of $50,000 in total cost is awarded must furnish to the City a one hundred (100) percent performance bond with a surety, and in a form, acceptable to the City. In the City's sole discretion, it may also require a one hundred (100) percent payment bond and/or other additional security with a surety, and in a form, acceptable to the City.

Attachment A Documents

- ANNUAL STATEMENT OF FINANCIAL INTEREST
- DEBARMENT CERTIFICATION
- CITY OF WATERBURY DISCLOSURE OF OUTSTANDING OBLIGATIONS
- CORPORATE RESOLUTION
- LLC RESOLUTION

CITY OF WATERBURY
ANNUAL STATEMENT OF FINANCIAL INTERESTS (Calendar Year 202__)
Persons or Entities Conducting Business with the City

I. Outstanding Purchase Orders of Contracts with the City

A. Contracts

No Contracts with the City ☐

(Service or Commodity Covered by Contract)

(Term of Contract)

(Service or Commodity Covered by Contract)

(Term of Contract)

(Service or Commodity Covered by Contract)

(Term of Contract)

CITY OF WATERBURY
ANNUAL STATEMENT OF FINANCIAL INTERESTS (Calendar Year 202__)
Persons or Entities Conducting Business with the City

B. Purchase Order(s).

No Purchase Order(s) with the City ☐

(Service or Commodity Covered by Purchase Order)

(Date of Purchase Order)

(Service or Commodity Covered by Purchase Order)

(Date of Purchase Order)

(Service or Commodity Covered by Purchase Order)

(Date of Purchase Order)

CITY OF WATERBURY
ANNUAL STATEMENT OF FINANCIAL INTERESTS (Calendar Year 202__)
Persons or Entities Conducting Business with the City

II. Financial Interest Disclosure

(Public Officials, Employees or Board and Commission Members with interest in Person or Entity Conducting Business with the City)

No Officials, Employees or Board and Commission Members with Financial Interest ☐

(Name of Official)

(Position with City)

(Nature of Business Interest)
(e.g. Owner, Director etc…)

Interest Held By:
Self ☐ Spouse ☐ Joint ☐ Child ☐

(Name of Official)

(Position with City)

(Nature of Business Interest)
(e.g. Owner, Director etc…)

Interest Held By:
Self ☐ Spouse ☐ Joint ☐ Child ☐

1. I certify that this Annual Statement of Financial Interests is a complete and accurate statement of those matter required to be disclosed by me pursuant to §39.061 of the Code of Ordinances.

2. I understand that if I fail to file an Annual Statement (or amendment thereto) or an inaccurate Statement I will be in violation with Chapter 39 of the Code of Ordinance and, thereby, subject to the remedies set forth in §§38.71 and 39.101 of said Code.

3. I understand that I must file with the City Clerk, within fifteen (15) days following any reportable occurrence, any amendments to the Annual Statement.

I have read and agree to the above certification.

_____
(Name of Company, if applicable)

_____ _____
Signature of Individual (or Authorized Signatory) Date

_____
Print or Type Name and Title (if applicable)

DELIVERED | By Mail ☐ Hand-Delivered ☐

City of Waterbury Certification
Regarding
Debarment, Suspension, Ineligibility and Exclusion

If the transaction is Federally funded, in whole or in part (including pass through grants to state and/or municipal government), this certification is required by the regulations implementing one or more Presidential Executive Orders. If this transaction is funded by the State of Connecticut, in whole or in part, this certification is required in accordance with one or more State of Connecticut general statutes.

1. By signing and submitting the attached proposal and/or this document, the prospective lower tier participant, vendor, or contractor is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant, vendor, or contractor knowingly rendered an erroneous certification, in addition to other remedies available to the Federal , State, or City government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant, vendor or contractor shall provide immediate written notice to the person to which the attached proposal and/or this document is submitted if at any time the prospective lower tier participant, vendor or contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction", "debarred", "suspended", "ineligible", "lower tier covered transaction", "participant", "person", "primary covered transaction", "principal", "proposal", and "voluntarily excluded", as used herein, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549 and/or State of Connecticut statutes and regulations. You may contact the person to which this proposal and/or this document is submitted for assistance in obtaining a copy of the foregoing.
5. The prospective lower tier participant, vendor or contractor agrees by submitting the attached proposal and/or this document that, should the proposed covered transaction be entered into, it shall not knowingly enter into any covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant, vendor or contractor further agrees by submitting the attached proposal and/or this document that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions", without modification, in all covered transaction and in all solicitations for covered transactions.
7. A participant in a covered transaction may rely upon the certification of a prospective participant in a covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may but is not required to, check the Non-procurement List.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required herein. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 herein, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal, State or Municipal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification

(1) The prospective recipient of monies hereby certifies, by submission of its attached proposal and/or by execution of this document, that neither it nor its principles are presently debarred, suspended, proposed for debarment, declared ineligible, disqualified, or voluntarily excluded from bidding or participation in the proposed transaction by any Federal, State, or Municipal department or agency or by the statutes, regulations or ordinances of the foregoing departments and agencies.

(2) Where the prospective recipient of monies is unable to certify to any of the statements in this certification, such prospective participant shall attach a written explanation hereto.

Full Legal Name and address of Recipient, Vendor, or Contractor: _____
_____
_____.

Print Name and Title of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

CITY OF WATERBURY
DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

For the purposes of this Disclosure of Outstanding Financial Obligations, the following definitions apply:

(a) "Contract" means any Public Contract as defined below.

(b) "Person" means one (1) or more individuals, partnerships, corporations, associations, or joint ventures.

(c) "Public Contract" means any agreement or formal commitment entered into by the city to expend funds in return for work, labor, services, supplies, equipment, materials or any combination of the foregoing, or any lease, lease by way of concession, concession agreement, permit, or per agreement whereby the city leases, grants or demises property belonging to the city, or otherwise grants a right of privilege to occupy or to use said property of the city.

(d) "City" means any official agency, board, authority, department office, or other subdivision of the City of Waterbury.

State of_____

SS.:_____

County of_____

_____, being first duly sworn, deposes and says that:

1. I am the ***owner, partner, officer, representative, agent or*** _____ of _____(Contractor's Name), the Contractor that has submitted the attached agreement.

2. I am fully informed respecting the preparation and contents of the attached Agreement and of all pertinent circumstances respecting such Agreement;

3. That as a person desiring to contract with the City (check all that apply):

____ The Contractor and each owner, partner, officer, representative, agent or affiliate of the Contractor has filed a list of taxable personal property with the City of Waterbury for the most recent grand list, as required by Conn. Gen. Stat. §12-42.

____ Neither the Contractor nor any owner, partner, officer, representative, agent or affiliate of the Contractor are required to file a list of taxable personal property with the City of Waterbury for the most recent grand list, as required by Conn. Gen. Stat. §12-42.

____ Neither the Contractor nor any owner, partner, officer, representative, agent or affiliate of the Contractor either directly or through a lease agreement, owes back taxes to the City of Waterbury

CITY OF WATERBURY
DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

____ Neither the Contractor nor any owner, partner, officer, representative, agent or affiliate of the Contractor either directly or through a lease agreement, has any other outstanding obligations to the City of Waterbury

4. The following list is a list of the names of all persons affiliated with the business of the Contractor, if none state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	Affiliated Company (if none state NONE)	Service or Material	DOB
1				
2				
3				
4				

5. That as a person desiring to contract with the City:

(a) The Contractor or an owner, partner, officer, representative, agent or affiliate of the Contractor provides, or has provided, services or materials to the City within one (1) year prior to the date of this disclosure, if none, state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	Affiliated Company (if none state NONE)	Service or Material	DOB
1				
2				
3				
4				

(b) The Contractor possesses an ownership interest in the following business organizations, if none, state none. Use additional sheet if necessary (Must be on company letterhead and notarized) :

Organization Name	Address	Type of Ownership
1		
2		
3		
4		

(c) The following persons possess an ownership interest in the Contractor. If the Contractor is a corporation, list all of the officers of the corporation and the names of each stockholder whose shares exceed twenty-five

(25) percent of the outstanding stock, if none, state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	DOB	Stock %
1			
2			
3			
4			

(d) Of the following of the affiliates, individuals or business entities identified in this affidavit, list each that owns, owned, or within one (1) year prior to the date of this disclosure has owned, taxable property situated in the City of Waterbury, if none state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	Affiliated Company (if none state NONE)	Address	DOB
1				
2				
3				
4				

(e) If the Contractor conducts business under a trade name, the following additional information is required: the place where such entity is incorporated or is registered to conduct such business; and the address of its principal place of business, if none, state none:

TRADE NAME	PLACE OF INCORPORATION/REGISTRY	PRINCIPAL PLACE OF BUSINESS
1		
2		
3		
4		

I hereby certify that the statements set forth above are true and complete, and I understand that any incorrect information or omission of information from this affidavit may result in the immediate termination of the Contractor's agreement with the City of Waterbury.

For Partnership/Sole Proprietor

In presence of:

_____ _____

Witness Name of Partnership/Business

CITY OF WATERBURY
DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

By: _____
Name of General Partner/ Sole Proprietor

_____
Address of Business

State of _____)

) SS

County of _____)

_____ being duly sworn,

Deposes and says that he/she is _____ of _____ and that he/she answers to the foregoing questions and all statements therein are true and correct.

Subscribed and sworn to before me this _____ day of _____ 202_.

_____
(Notary Public)

My Commission Expires: _____

For Corporation

_____ _____
Witness Name of Corporate Signatory

_____
Address of Business

Affix
Corporate
Seal

By:_____
Name of Authorized Corporate Officer

Its:_____
Title

CITY OF WATERBURY

DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

State of _____)

) SS

County of _____)

_____ being duly sworn,

deposes and says that he/she is _____ of _____ and that he/she answers to the foregoing questions and all statements therein are true and correct.

Subscribed and sworn to before me this _____ day of _____ 202__.

_____
(Notary Public)

My Commission Expires: _____

CORPORATE RESOLUTION

I, _____, hereby certify that I am the duly elected and acting Secretary of _____, a corporation organized and existing under the laws of the State of _____, do hereby certify that the following facts are true and were taken from the records of said corporation.

The following resolution was adopted at a meeting of the corporation duly held on the _____ day of _____, _____.

"It is hereby resolved that _____ is authorized to make, execute and approve, on behalf of this corporation, any and all contracts or amendments thereof".

And I do further certify that the above resolution has not been in any way altered, amended, repealed and is now in full force and effect.

IN WITNESS WHEREOF, I hereunto set my hand and affix the corporate seal of said _____ corporation this _____ day of _____, 202__.

_____
Secretary

TO BE SIGNED ON DATE OF CONTRACT EXECUTION

LIMITED LIABILTY COMPANY RESOLUTION

I, _____, hereby certify that I am the duly authorized and acting Member / Manager (circle one) of_____, a limited liability company organized and existing under the laws of the State of_____, do hereby certify that the following facts are true and were taken from the records of said LLC.

The following resolution was adopted at a meeting of the LLC duly held on the _____ day of _____, _____.

"It is hereby resolved that _____is authorized to make, execute and approve, on behalf of this LLC, any and all contracts or amendments thereof".

And I do further certify that the above resolution has not been in any way altered, amended, repealed and is now in full force and effect.

IN WITNESS WHEREOF, I hereunto set my hand and affix the company seal of said _____ , LLC this _____ day of _____, 202__.

_____
Manager/Member

.

TO BE SIGNED ON DATE OF CONTRACT EXECUTION

Attachment B Document

- SAMPLE CONTRACT

Contract
for
Chiller Maintenance Services
between
City of Waterbury
and

_____

THIS CONTRACT, effective on the date signed by the Mayor, is by and between the **CITY OF WATERBURY**, City Hall, 235 Grand Street, Waterbury, Connecticut (the "City") and _____, located at _____, Connecticut _____, a _____ (the "Contractor").

WHEREAS the Contractor submitted a bid to the City in response to **Request for Proposal ("RFP") No. 8015** regarding HVAC chiller maintenance services on behalf of the City's Department of Education at its schools (the "Project");

WHEREAS the City accepted the Contractor's bid for **RFP No. 8015**; and

WHEREAS the City desires to obtain the Contractor's services pursuant to the terms set forth in this Contract.

NOW THEREFORE, THE PARTIES AGREE AND COVENANT AS FOLLOWS:

1. Scope of Services. The Contractor shall furnish all the labor, services, equipment, materials, supplies, transportation, and incidentals necessary to complete the Project as specified in this agreement (also referred to herein as the "Contract") and such shall be completed in a satisfactory manner, as reasonably determined by the City. All labor, services, equipment, materials, supplies, transportation, and incidentals shall comply with **(i)** all applicable local, state and federal laws, statutes, ordinances, rules and regulations, including without limitation all notice requirements thereunder, and **(ii)** generally accepted professional standards.

1.1. The Project consists of providing HVAC chiller inspection, maintenance and on-call repairs services at City schools -- all as more particularly detailed and described in the Bid Documents in **Attachments A**, which is attached hereto and made a material part hereof. **Attachment A** consists of the following, which are attached hereto, are acknowledged by the Contractor as having been received, or otherwise hereby incorporated by reference as noted below, and all are made a part hereof:

1.1.1 City's **RFP No. 8015**, incorporated by reference;
1.1.2 Addendums __ and __ to **RFP No. 8015** (attached hereto);
1.1.3 Contractor's Price Proposal, dated _____, consisting of ___ page (attached hereto);

DRAFT CONTRACT – CITY RESERVES THE RIGHT TO REVISE

1.1.4 Contractor's Response with associated attachments to **RFP No. 8015**, dated _____ , consisting of __ pages, (attached hereto);

1.1.5 All applicable Federal, State and local statutes, regulations charter and ordinances (incorporated by reference);

1.1.6 City of Waterbury, Board of Education, **RFP No. 8015**, Scope of Services;

1.1.7 State of Connecticut Prevailing Wages, dated May 2, 2024, and consisting of 8 pages (incorporated by reference);

1.1.8 Contractor's Certificate of Insurance (attached hereto, or otherwise incorporated by reference);

1.1.9 Payment Bond (attached hereto, or otherwise incorporated by reference);

1.1.10 All amendment(s) and Change Orders issued by the City after execution of Contract (incorporated by reference);

1.1.11 All applicable Federal, State and local statutes, regulations charter and ordinances (incorporated by reference); and

1.1.12 All applicable permits and licenses (incorporated by reference).

1.2. The entirety of **Attachment A** plus this executed instrument are together deemed the Contract Documents (hereinafter collectively referred to as "Contract Documents"). The City's record copy of the Contract Documents shall control and shall be effective and binding on the Contractor. If any provision in the Contract Documents conflict with any other provision therein, the provision in the component part of the Contract Document first enumerated below shall govern over any other component part which follows it numerically:

1.2.1 All applicable Federal, State, and local laws, regulations, charter and ordinances;

1.2.2 Amendment(s) and Change Orders;

1.2.3 This Contract;

1.2.4 Addendums to **RFP No. 8015**, if any;

1.2.5 **RFP No. 8015** including City of Waterbury, Board of Education, **RFP No. 8015** Scope of Services;

1.2.6 Contractor's Price Proposal; and

1.2.7 Contractor's Response.

2. Representations Regarding Qualification and Accreditation. The Contractor represents that its employees are licensed to perform the scope of work set forth in this Contract. The Contractor further represents that its employees have the requisite skill, expertise and knowledge necessary to perform the scope of work required under the terms of this Contract, including any supplementary work and the City relies upon Contractor's representations.

2.1. Representations regarding Personnel. The Contractor represents that it has, or will secure at its own expense, all personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, unless the use of City employees or of personnel having a contractual relationship with the City is approved in writing. As set forth above, all the services required hereunder shall be performed by the Contractor or under its

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

supervision and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under state or local law to perform such services.

2.2. Representations regarding Qualifications. The Consultant hereby represents that, to the extent required by Federal, State and Local statutes, regulations, codes, ordinances, and policies, that the Consultant and/or its employees be licensed, certified, registered, or otherwise qualified, the Consultant and all employees providing services under this Contract, are in full compliance with those statutes, regulations and ordinances. Upon City request, the Consultant shall provide to the City a copy of the Consultant's licenses, certifications, registrations, etc.

3. Responsibilities of the Contractor. The Contractor agrees to properly implement the services required in the manner herein provided. The Contractor shall, in addition to any other responsibilities set forth in this Contract and the Schedules and Attachments hereto, perform the following coincident with the performance of this Contract:

3.1. Due Diligence Obligation. The Contractor acknowledges its responsibility to examine and to be thoroughly familiar with the City's bid document, including, but not limited to the plans, specifications, drawings and any addenda thereto. The Contractor hereby warrants and represents that prior to the submission of its proposal during the bid process it reviewed or was afforded opportunity, by the City, to review all physical items, facilities, services and functions essential to the satisfactory performance of the services required ("Due Diligence") and thereby certifies that all such items, facilities, services and functions are included in this Contract and thereby warrants that:

3.1.1 it conducted or had opportunity to conduct all due diligence prior to the submission of its bid and, accordingly, any additional costs, services or products resulting from the failure of the Contractor to complete Due Diligence prior to submission of its bid proposal shall be borne by the Contractor. Furthermore, the Contractor had the opportunity during the bid process to ask questions it saw fit and to review the responses from the City;

3.1.2 its failure or omission to make investigation and verification of data shall, in no way, be cause for future claim of ignorance of such data or conditions nor shall such failure to investigate and verify be the basis for any claim whatsoever, monetary or otherwise;

3.1.3 it is solely responsible for resolving any issues resulting from its failure to conduct due diligence and it shall assume all resulting costs it incurs during the Project;

3.1.4 it was responsible for specifying any changes and disclosing any associated new costs prior to submittal of its bid. In the event the Contractor failed to disclose any such new cost prior to the submittal of its bid, the Contractor hereby covenants that it shall remain solely responsible for, and shall absorb, those non-disclosed costs;

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3.1.5 it has familiarized itself with the nature and extent of the Contract Documents, Project, locality, and with all local conditions and Federal, State and local laws, ordinances, rules and regulations that in any manner may affect cost, progress or performance of the Project;

3.1.6 it has given the City written notice of any conflict, error or discrepancy that the Contractor discovered in the City's bid documents and other documents for **RFP Number 8015** (collectively, the "Bid Documents");

3.1.7. it agrees that the Bid Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Project;

3.1.8. it has carefully studied all reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the Scope of Services which were utilized in the preparation of the plans and specifications;

3.1.9 it has made or caused to be made examinations, investigations, measurements and tests and studies of any applicable reports and related data as it deems necessary for ensuring performance of the Scope of Services at the Contract Price within the Contract Time and in accordance with the other terms and conditions of the Contracts; and certifies no additional examinations, investigations, tests, reports or similar data are or will be required by Contractor for such purposes; and

3.1.10 The Contractor shall not take advantage of any obvious error or apparent discrepancy in the Contract. Notice of any error or discrepancy discovered shall be given immediately in writing to the City, who shall make such corrections and interpretations as it may deem necessary for the completion of the Project in a satisfactory and acceptable manner.

3.2. Safety. Contractor shall perform all work in a safe manner in full compliance with local, state and federal health and safety regulations. Contractor shall immediately correct any dangerous condition caused by or resulting from its work. If it fails to correct, or to act diligently to correct, any condition which the City reasonably believes to be a hazard to persons or property, then immediately upon oral or written notice to any supervisory or similar personnel of Contractor, City may, but shall not be required to, correct same at Contractor's expense. City shall Contractor in writing any oral notice given within five (5) business days thereafter.

3.3. Storage. In the event the Project site has insufficient, inadequate, and/or improper storage space, it shall be the responsibility of the Contractor to secure, provide and maintain at the Contractor's sole cost and expense **(i)** adequate off-site storage space for equipment, materials, incidentals, etc., and **(ii)** all associated delivery and transportation services. In either event, the Contractor shall assume full

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responsibility for equipment, materials, incidentals, etc. until both title and risk of loss pass to the City pursuant to Section 8 of this Contract.

3.4. Working Hours. To the extent the Contractor is required to be on City property to render the Contractor's services hereunder, the Contractor shall coordinate its schedule so that work on and at the Project site is performed during the hours of 8:00 a.m. to 4:00 p.m. Monday through Friday, unless more exactly specified elsewhere in this Contract or **Attachment A** or unless prior written permission is obtained from the City to work during other times. This provision shall not excuse the Contractor from timely performance under the Contract.

3.5. Cleaning Up. The Contractor shall always keep the Project site free from accumulation of waste materials or rubbish caused by Contractor's employees or subcontractors, and at the completion of the work shall remove all rubbish from and about the Project and all tools, scaffolding and surplus materials and shall leave the Project site "broom clean" or its equivalent, unless more exactly specified. In case of dispute, the City may remove the rubbish and charge the cost to the Contractor.

3.6. Publicity. Contractor agrees not to deliberately disclose the fact that the City has entered into or terminated this Contract or disclose any of the terms of the Contract or use the City's name in connection with any publicity unless the City gives prior written consent to such use of the City's name in each instance.

3.7. Standard of Performance. All Contractor labor, materials, supplies, components, equipment, reports, plans, specifications, drawings, deliverables, incidentals, etc., required to be furnished or delivered under this Contract shall conform in all respects with the requirements set forth in this Contract and shall meet or exceed those standards generally recognized in the Contractor's craft and trade in the State of Connecticut. City specified manufacturer and/or brand name substitution desired by the Contractor shall be made only with the prior written consent of an authorized representative of the City's Using Agency.

3.7.1 In carrying out the Project, the Contractor must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor, nor with the normal routine of the institution or agency operating at the Project site.

3.8. Contractor's Employees. The Contractor shall always enforce strict discipline and good order among its employees and shall not employ on the work any unfit person or anyone not skilled in the work assigned. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove any Contractor employee expressly named, identified or required in this Contract.

3.9. Subsurface/Unknown Site Conditions. If Project site conditions are encountered which are **(i)** subsurface or otherwise concealed physical conditions or other conditions which differ materially from those indicated in the Contract

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Documents, or **(ii)** unknown conditions of an unusual nature which differ materially from those ordinarily found to exist and generally recognized as inherent or common in construction activities of the character provided for in this Contract, then prompt notice by the observing party shall be given to the other party to this Contract before Project site conditions may be disturbed; the Contractor shall thereafter wait for written instructions from the City before proceeding under such conditions.

3.10. Surveys. All surveys required under this Contract shall be performed by a State of Connecticut duly licensed land surveyor. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall perform all layout work, all field measurements and all construction staking required, necessary or prudent for the satisfactory prosecution of the Contractor's obligations under this Contract.

3.11. Permits and Licenses. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall secure and obtain all permits and all licenses required, or necessary, or prudent for the performance of the Contractor's obligations under this Contract., and for the City's occupancy, use, and operation of the Project.

3.12. Manufacturer's Directions. Where it is required in this Contract that materials, products, processes, equipment or the like be installed or applied in accord with manufacturer's directions, specifications or instructions, it shall be construed to mean that the said application or installation by the Contractor shall be in strict accord with printed instructions furnished by the manufacturer of the material concerned for use under conditions like those at the Project site. One (1) copy of such instructions shall be furnished to the City.

3.13. Review by the City. The Contractor shall permit the City and the City's duly authorized representatives and agents to review, at any time, all work performed under the terms of this Contract at any stage of the Project.

3.14. Records Maintenance. The Contractor shall maintain or cause to be maintained all records, books or other documents relative to charges, costs, expenses, fees, alleged breaches of the Contract, settlement of claims or any other matter pertaining to the Contractor's demand for payment.

3.15. Activities, Work, and Services Performed in Department of Education Facilities, on School Grounds, at Student Sporting Events, and/or where City Students are Present. For all activities in school facilities and/or Department of Education facilities, the Contractor shall first be required to coordinate all on-site visits and activities with the appropriate Department/personnel in Education, or the designated person and shall obtain any necessary clearance, ID badges, etc. Contractor shall enter and exit all school facilities and Department of Educational facilities as designated as authorized by the appropriate Department/personnel in Education, or the designated person.

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3.16. Criminal Background Check and DCF Registry Check. The Contractor shall comply with the requirements of C.G.S. 10-222 c (g) and shall ensure, and represents to the City, that any employee who will be on school grounds/Department of Education Property/at Department of Education events and/or where City students are present, that will or may have direct contact with a student's while providing services pursuant to this Agreement, has stated, in writing, whether such person has ever been convicted of a crime or whether criminal charges were ever pending against such person. The Contractor shall further ensure, and represents to the City, that any person who will have direct contact with a student has submitted to a records check of the Department of Children and Families Child Abuse and Neglect Registry established pursuant to Conn. Gen. Stat. §17a-101k, as well as State and National criminal history records checks conducted in accordance with Conn. Gen. Stat. §29-17a, the Federal National Child Protection Act of 1993, and the Federal Volunteers for Children Act of 1998. The Contractor shall not permit any person with a disqualifying criminal history to have contact with a student. The contractor agrees the "direct contact" shall include the contractor and its employees providing services under this contract if said services are performed on school grounds/Department of Education Property/at Department of Education events and/or where City students are present.

4. Responsibilities of the City and City Reservation of Rights. Upon the City's receipt of Contractor's written request for specific information, the City will provide the Contractor with existing documents, data and other materials the City agrees are necessary and appropriate to the services to be performed by the Contractor hereunder and the City will endeavor to secure, where feasible and where the City agrees it is necessary and appropriate, materials or information from other sources requested by the Contractor for the purpose of carrying out the services under this Contract.

4.1. The City may, in its sole discretion, designate person(s) to act as the City's Project Engineer(s) and/or Manager(s) and the City may, in its sole discretion, define such person(s) authority and responsibilities.

4.2. The City reserves the right to **(i)** perform work related or unrelated to the Project with the City's own forces adjoining, adjacent to, or in the vicinity of, the Project site and/or **(ii)** let separate contracts related or unrelated to the Project for work and services adjoining, adjacent to, or in the vicinity of, the Project site. In such an event, the Contractor shall afford all such parties reasonable opportunity for storage of materials and equipment and for the uninterrupted provision and delivery of such parties' work and/or services. The Contractor shall cooperate with such parties and in the case of a dispute, the decision of the City shall be complied with by all.

5. Contract Time. The term of this Contract shall be three (3) years from its effective date ("Contract Time").

5.1. Attached hereto as **Attachment B**, is the Project's schedule. On a monthly basis, the Contractor shall deliver to the City a written status report setting forth an analysis and critique of the Contractor's compliance with said schedule.

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5.2. Delay Damages.

5.2.1 Time is and shall be of the essence for all Project performance obligations. The Contractor further agrees that the Project shall be prosecuted regularly and diligently. It is expressly understood and agreed, by and between the Contractor and City, that the performance obligations' timing is reasonable for the Project.

5.2.1.1 The Contractor shall pay to the City the sum of the greater of **Five Hundred and 00/100 Dollars ($500)** per consecutive calendar day for each calendar day for which the Contractor is in default in completing the work as required by this Agreement, or the actual damages incurred by the City caused by the delay. The preceding sum is hereby agreed upon not as a penalty, but as delay damages for the delay that the City shall suffer due to such default.

5.2.1.2 The City shall have the right to recover all damages pursuant to any remedy at law or equity including, but not limited to deducting the amount of any such damages from any monies due to the Contractor under this Contract. The Contractor understands that if the entire Work or of any portion of the Work that the City has agreed to accept separately, if any, is not attained by the applicable completion dates as set forth in the entire Section 5, the City will suffer damages, which are difficult to specify accurately and ascertain. Delay damages based upon delay shall be assessed to compensate the City for all actual loss sustained by the delay, including, but not limited to, loss of use, increased cost of material or services to complete the project, loss of State funding, all other another actual expense, and all other damages allowed by law, including attorney's fees.

5.3 No Damage for Delay. In no event shall the Contractor be entitled to any compensation or recovery of any damages in connection with any Delay, including, without limitation, consequential damages, lost opportunity damages, attorney's fees or other, similar remuneration. The City's exercise of any of its rights or remedies under the Contract Documents, including without limitation, ordering changes in the Work, or directing suspension, rescheduling or correction of the Work, regardless of the extent or frequency of the City's exercise of these rights has been contemplated by the parties and shall not be construed as an exception.

6. Compensation. The City shall compensate the Contractor for satisfactory provision of all the goods and services set forth in this Contract as follows in this Section 6. No claims for additional compensation will be considered for conditions made known to the Contractor prior to bidding. No claims for additional compensation will be considered on account of the failure of the Contractor to completely inform itself as required herein above.

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6.1. Fee Schedule. Subject to retainage, limitations, etc. set forth below in this Section 6, the fee payable to the Contractor shall not exceed _____ **DOLLARS ($_____)** (hereafter referred to as "Total Compensation") with the basis for payment being Contractor's Bid set forth in **Attachment A**, which is summarized below and inclusive of the required payment and performance bonds:

i. $_____ (base payment); and
ii. N/A (change orders, if any).

6.2. This is a place holder.

6.3. Limitation of Payment. Compensation to the Contractor is limited to those fees set forth in Section 6.1. of this Contract and is further limited to work **(i)** performed in fact, **(ii)** conforming with this Contract, and **(iii)** accepted in writing by a duly authorized City employee. Such compensation shall be paid by the City upon its review and approval of the Contractor's invoices for payment and review of the Contractor's work.

6.3.1 Funding. In the event this Contract is funded, in whole or in part, by Federal and/or State monies, grants, loans, etc, all City payment(s) shall fully comply with all relevant Federal and State statutes and regulations. In the event this Contract is 100% funded by Federal and/or State monies, grants, loans, etc., the aggregate sum of all City payments shall not exceed the aggregate sum of such funding.

6.3.2 The Contractor and its affiliates are hereby provided with notice that the City reserves the right, in the City's sole discretion, to offset, withhold, or otherwise reduce City payment(s) to the Contractor, in an amount equaling the sum or sums of money the Contractor and/or its affiliates is/are, or become delinquent or in arrears on, regarding the Vendor's and/or its affiliates real and personal property taxes and other payment obligations to the City.

6.4. Bid Costs. All costs of the Contractor in preparing its bid for **RFP Number 8015** shall be borne solely by the Contractor and are not included in the compensation to be paid by the City to the Contractor under this Contract or any other agreement.

6.5. Payment for Services, Materials, Appliances, Employees. The Contractor shall be responsible to the City for the suitability of services, materials and equipment furnished to comply fully with the requirements set forth in this Contract. The Contractor shall promptly pay all employees as their pay falls due, shall pay promptly as they fall due all bills for subcontractors, materials, supplies and services going into the work, and all bills for insurance, bonds, Worker's Compensation coverage, Federal and State Unemployment Compensation, and Social Security charges applicable to this Project. Before final City payment is made, the Contractor shall furnish to the City a sworn, notarized, affidavit stating that all the foregoing payment obligations have been fully completed.

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6.6. Liens. Neither the City's final payment nor any part of the retained percentage, if any, shall become due until the Contractor, if required by the City, shall deliver to the City a complete release of all liens arising out of this Contract, or receipts in full in lieu thereof, and, if required, in either case, an affidavit that so far as the Contractor has knowledge or information, the releases and receipts include all the labor and material for which a lien could be filed; but the Contractor may, if any subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the City, to indemnify it against any lien. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the City all moneys that the City may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fees.

6.7. Attorney's Fees and Costs. The prevailing party in any litigation arising hereunder shall be entitled to attorney's fees and costs from the losing party.

6.8. This is a Place Holder.

6.9. Payments Subject to Correction. All City payments, including those relating to extra or additional work, retainage(s), and holdback(s), shall be subject to correction. No payment, final or partial, shall act as a release to the Contractor or its surety from any Contractor obligation(s) under this Contract.

7. Warranty of the Contractor. The Contractor warrants to the City that all materials, supplies, components, equipment, etc. furnished under this Contract shall be new and of good quality, except as otherwise expressly stated and permitted by the City elsewhere in this Contract. The Contractor warrants that none of its work shall be defective. The Contractor shall be liable to repair and install and/or replace without charge any service, component, equipment or part thereof which is defective or does not conform with this Contract within the greater of **(i)** 365 calendar days after the City delivers its written notice of its acceptance of the Project and statement therein establishing the final completion date, or **(ii)** that time or date expressly stated elsewhere in this Contract or **Attachment A**.

7.1. The Contractor further warrants that all materials, supplies, services, components, equipment, reports, plans, drawings, deliverables, incidentals, etc., shall be free from all defects caused by faulty design, faulty material or poor workmanship. The Contractor shall supply to the City copies of any written manufacturer's warranties and guarantees and assign same to the City and the City shall avail itself of same to the fullest extent provided by the terms thereof. The Contractor's foregoing warranty obligations are in addition to, and not a limitation of, all manufacturer's warranties and guarantees, and any other remedy stated in this contract or otherwise available to the City under applicable law.

8. Passing of Title and Risk of Loss.

8.1. The City's beneficial use of Project equipment, materials, site-work, etc. prior to the Contractor's final completion of the Project or prior to the City's final payment for the Project shall neither act to vest title in the City nor act to transfer risk of loss

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from the Contractor to the City. Said title and risk shall pass to the City upon the City's final payment for the Project.

8.2. Contractor and its insurer shall assume the risks of loss or damage to the equipment up to and including the date title passes, except that City shall be responsible for loss or damage caused by City's gross negligence.

8.3. After Project equipment, materials, etc. are delivered to the Project worksite and become operable or functional, the Contractor shall not thereafter remove any such equipment, materials, etc. from the Project worksite without securing the prior written consent of an authorized City Using Agency employee.

9. Indemnification.

9.1. The Contractor shall indemnify, defend, and hold harmless the City, City's Boards, and Board of Education and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, officials and employees from and against all claims, suits, damages, losses, judgments, costs and expenses including attorney's fees arising out of or resulting from the delivery of the labor, services, equipment, materials, reports, plans, specifications, design, drawings, deliverables, incidentals, etc. provided that any such claims, suits, damages, losses, judgments, costs or expenses **(i)** are attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting there from, **(ii)** are alleged to be caused in whole or in part by any willful, intentional, negligent, or reckless act or omission of the Contractor, its employees, any subcontractor or consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder; **(iii)** enforcement action or any claim for breach of the Contractor 's duties hereunder or **(iv)** claim for intangible loss(es) including but not limited to business losses, lost profits or revenue, regardless of whether or not it is caused in part by a party indemnified hereunder.

9.2. In any and all claims against the City, Board of Education or any of City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials by the Contractor or any employee of the Contractor , any subcontractor or consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 9 above, shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any subcontractor under Worker's Compensation Acts, disability benefit acts or other employee benefit acts.

9.3. The Contractor understands and agrees that any insurance required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, defend, keep and hold harmless the City, the Board of Education, any of City's boards and all affiliated entities and each of their respective

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members, managers, partners, officers, directors, shareholders, commissions, agents, employees and officials as provided in this Contract.

9.4. The Contractor expressly understands and agrees that any performance bond or insurance protection required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the City and the City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials as provided herein.

9.5. Royalties and Patents. The Contractor shall, for all time, secure to the City the free and undisputed right to the use of any and all patented articles and methods used in the work and shall defend at Contractor's own expense any and all suits for infringement or alleged infringement of such patents, and in the event of adverse award under patent suits, the Contractor shall pay such awards and hold the City harmless in connection with any patent suits that may arise as a result of installations made by the Contractor and as to any award made thereunder.

9.6. In the event this Contract and/or the Contractor's, or its subcontractor, work and services provisioned hereunder is/are subject to the provisions of any Federal or State statute or regulations, or the City Charter or City Ordinance, the Contractor shall indemnify, defend and hold harmless the City from any fine, penalty or other amounts imposed on the City under said statutes, regulations, Charter or Ordinances, if caused by Contractor, or its subcontractor, omission or commission.

10. Contract Bonds. The Contractor shall furnish to the City, prior to the execution of this Contract by the City, both a performance bond and a payment bond, each bond written for a penal sum equaling the Section 6 "Total Compensation" amount in a form and with a surety acceptable to the City. The bonds shall continue in effect for the greater of **(i)** the warranty period set forth in Section 7 of this Contract, or **(ii)** 365 calendar days after the Final Completion Date referenced elsewhere in this Contract.

11. Contractor's Insurance.

11.1. The Contractor shall not commence work under this Contract until all insurance required under this Section 11 has been obtained by the Contractor and such insurance has been approved by the City. The Contractor shall not allow any subcontractor to commence work on any subcontract until all insurance required of any such subcontractor has been obtained and approved by the City. Insurance shall be provided by insurers, satisfactory to the City and authorized to do business in the State of Connecticut, an "A-" Best's Rating and at least a Class V3 or better financial size category as shown in the most current A.M. Best Company ratings.

11.2. At no additional cost to the City, the Contractor shall purchase and maintain the insurance coverages set forth below which shall protect the City and its Boards and all affiliated entities and each of their respective members, managers, partners, agents,

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officers, directors, commissions, officials, stakeholders, shareholders and employees from claims which may arise out of or result from the Contractor's obligation under this Contract, whether such obligations are the Contractor's or subcontractor or person or entity directly or indirectly employed by said Contractor or subcontractor, or by any person or entity for whose acts said Contractor or subcontractor may be liable.

11.3. Each insurance policy shall state that the insurance company shall agree to investigate and defend the insured against all claims for damages, even if groundless. If any insurance required herein is to be issued or renewed on a claims made form as opposed to an occurrence form, the retroactive date for coverage shall be no later than the effective date of this Contract and shall provide that in the event of cancellation or non-renewal, the discovery period for insurance claims ("Tail Coverage") shall be available for at least 60 months.

11.4. The following policies with stated limits shall be maintained, in full force and effect, always during which the services are to be performed by the Contractor:

11.4.1 General Liability Insurance: $1,000,000.00 per occurrence, **$2,000,000.00** aggregate and **$2,000,000.00** products and completed operations aggregate; providing coverage to protect the City for all damages arising out of bodily injuries, sickness to or death of all persons in any one accident or occurrence and for all damages arising out of destruction of property in any one accident or occurrence.

11.4.2 Automobile Liability Insurance: **$1,000,000.00** combined single limit (CSL); providing coverage to protect the City with respect to claims for damage for bodily injury and or property damage arising out of ownership, maintenance, operation, use or loading and unloading of any auto including hired & non-owned autos.

11.4.3 Workers' Compensation: Statutory Limits within the State of Connecticut: Employers' Liability:

EL Each Accident **$1,000,000.00**
EL Disease Each Employee **$1,000,000.00**
EL Disease Policy Limit **$1,000,000.00**

Contractor shall comply with all State of Connecticut statutes as it relates to workers' compensation.

11.4.4 Excess/Umbrella Liability Insurance: Excess or Umbrella insurance coverage that follows form or sits over General Liability, Automobile Liability and Workers Compensation insurances -- **$1,000,000.00** each occurrence and **$1,000,000.00** Aggregate.

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11.5. Failure to Maintain Insurance: In the event the Contractor fails to maintain the minimum required coverage as set forth herein, the City may at its option purchase same, and offset the Contractor's invoices for the cost of said insurance.

11.6. Cancellation: The City of Waterbury shall receive written notice of cancellation from the Contractor at least thirty (30) calendar days prior to the date of actual cancellation, regardless of the reason for such cancellation.

11.7. Certificates of Insurance: The Contractor's General, Automobile, Builder's Risk and Excess/Umbrella Liability Insurance policies shall be endorsed to add the City and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees as an additional insured and provide waiver of subrogation on all policies except Builder's Risk and Pollution Liability. The insurance afforded the additional insured shall be primary and non-contributory insurance and the coverage and limits provided under the Contractor's policies shall not be reduced or prorated by the existence of any other insurance applicable to any loss the additional insured may have suffered. Prior to the execution of this Contract by the City, the Contractor shall furnish to the City, subject to City approval, certificate(s) of insurance and Additional Insured Endorsement and Waiver of Subrogation Endorsement verifying the above coverages, including the naming of the City of Waterbury, as follows: **"The City of Waterbury and its Board of Education and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees are listed as additional insured on all lines of coverage as their interests may appear".** The City's Invitation to Bid Number must be shown on the certificate of insurance to assure correct filing. The Contractor must supply replacement/renewal certificates at least 30 days prior to the expiration of the policy(ies). Said certificates shall contain a provision that coverage afforded under the policies shall not be cancelled or reduced for any reasons unless notice of than thirty (30) calendar days has been mailed to the City's Using Agency and a copy to the City's Office of Corporation Counsel, 235 Grand Street, Waterbury, CT 06702.

11.8. No later than thirty (30) calendar days after Contractor receipt, the Contractor shall deliver to the City a copy of the Contractor's insurance policies and endorsements and riders.

12. Conformance with Federal, State and Other Jurisdictional Requirements. By executing this Contract, the Contractor represents and warrants that, at all pertinent and relevant times to the Contract, it has been, is and will continue to be in full compliance with all applicable statutes, acts, ordinances, guidelines, resolutions, orders, judgments, decrees, injunctions, rules, and regulations of all government authorities applicable to performance by the Contractor of services hereunder, including those having jurisdiction over its registration and licensing to perform services hereunder; including, but not limited to, the following: **EQUAL EMPLOYMENT OPPORTUNUTY; COPELAND ANTI-KICKBACK ACT**, as supplemented in the Department of Labor Regulations (29 CFR, Part 3); **DAVIS BACON ACT** as supplemented by Department of Labor Regulations (29 CFR Part 5); Section 103 and

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

107 of the Contract Work Hours and Safety Standards Act, as supplemented by the Department of Labor Regulations (29 CFR Part 5); **THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974**, as amended; **TITLE 31** and Section 12-430(7) of the State of Connecticut General Statutes. All applicable sections of the City Charter and Code of Ordinances are incorporated by reference made a part hereof.

12.1. Taxes-Federal, State and Local. The City is exempt from Federal Excise and Transportation, State and Local Sales and Use Taxes, including without limitation, taxes that would otherwise be imposed upon the Contractor for transactions required or necessitated hereunder between it and its subcontractors, suppliers, etc. The Contractor remains liable, however, for any applicable tax obligations it incurs. Moreover, the Contractor represents that the bid and pricing contained in this Contract do not include the amount payable for said taxes.

12.2. Labor and Wages-Federal and State. The Contractor and its subcontractors shall conform to Federal and State of Connecticut labor laws, and all other laws, ordinances, and legal requirements affecting the work in Connecticut.

12.2.1 The Contractor is aware of, and shall comply with, the provisions of Title 31, §53 of the Connecticut General Statutes, latest revision (the "Act"), concerning the payment of minimum wages for work on public facilities. The provisions of the Act are hereby incorporated by reference and made a part of this Contract. The Act provides that the Connecticut prevailing wage law applies to certain remodeling, refurbishing, alteration, repair and new construction. The wages paid on an hourly basis to any person performing the work of any mechanic, laborer or worker on the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such person to any employee welfare fund, as defined in Conn. Gen. Stat. 31-53(i), shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such persons to any such employee welfare fund shall pay to each mechanic, laborer or worker as part of such person's wages the amount of payment or contribution for such person's classification on each pay day.

12.2.2 The Contractor is aware of, and shall comply with, as applicable, the provisions of the Federal Davis-Bacon Act, the American Rescue Plan Act, Pub. L. No. 117-2 (March 11, 2021), the Elementary and Secondary School Emergency Relief Supplemental Appropriations Act of 2021 signed into law December 27, 2020 (ESSER II Fund) and the American Rescue Plan Elementary and Secondary School Emergency Relief Fund signed into law March 11, 2021, all the provisions of which are hereby incorporated by reference and made a part of this Contract.

12.3. Compliance with Chapters 34, 38, and 39 of the Code of Ordinances of the City. By executing this Contract, the Contractor represents and warrants that, at all

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

pertinent and relevant times to the Contract, it has been, is and will continue to be in full compliance with the provisions of Chapters 34, 38, and 39 of the Code of Ordinances of the City and well as any other relevant provisions of the Charter and the Code of Ordinances.

13. Discriminatory Practices. In performing this Contract, the Contractor shall not discriminate against any employee or applicant for employment, with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, sex, age, religious creed, disability, national origin or ancestry, marital status, family status, prior psychiatric treatment, health care, military status or source of income or because of a handicap that is unrelated to the employee's or the applicant's ability to perform the duties of a particular job or position. Subcontracts with each subcontractor shall contain a provision requiring non-discrimination in employment as specified herein. This covenant is required pursuant to §93.04 of the Code of Ordinances of the City and any breach thereof may be regarded as a material breach of this Contract. Said provisions with subcontractors shall require conformity and compliance with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements.

13.1. Discrimination Because of Certain Labor Matters. No person employed on the work covered by this Contract shall be discharged or in any way discriminated against because such person has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or related to the labor standards applicable hereunder to its employer.

13.2. Equal Opportunity. In its execution of the performance of this Contract, the Contractor shall not discriminate and shall comply with applicable laws prohibiting discrimination on the grounds of race, color, religion, sex, national origin or citizenship status, age or handicap. The Contractor agrees to comply with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements and will require the same of all subcontractors.

13.3. Contractor Corrective Action.

13.3.1. Pursuant to Conn. Gen. Stat. § 4a-60, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

(a) Every contract to which an awarding agency is a party, every quasi-public agency project contract and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability

DRAFT CONTRACT – CITY RESERVES THE RIGHT TO REVISE

prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the state of Connecticut; and the contractor further agrees to take corrective action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved;

(2) The contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission on Human Rights and Opportunities;

(3) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(4) The contractor agrees to comply with each provision of this section and sections 46a-68e and 46a-68f and with each regulation or relevant order issued by said commission pursuant to sections 46a-56, as amended by this act, 46a-68e, 46a-68f and 46a-86; and

(5) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor as relate to the provisions of this section and section 46a-56, as amended by this act.

(b) If the contract is a public works contract, municipal public works contract or contract for a quasi-public agency project, the contractor agrees and warrants that he or she will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works or quasi-public agency project.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

13.3.2. Pursuant to Conn. Gen. Stat. § 4a-60a, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

(a) Every contract to which an awarding agency is a party, every contract for a quasi-public agency project and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the State of Connecticut, and employees are treated when employed without regard to their sexual orientation;

(2) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(3) The contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said commission pursuant to section 46a-56; and

(4) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor which relate to the provisions of this section and section 46a-56.

14. Good Jobs Ordinance

14.1. Conformance With An Ordinance Concerning The Hiring Of Waterbury Residents On Certain Publicly Funded Construction Projects.

14.1.1 The Contractors and its Subcontractors shall comply with the specific requirements of "An Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects" (the "Good Jobs Ordinance"), as may be amended from time to time and as set forth in Chapter 34 of the Code of Ordinances of the City. While the principal provisions of the ordinance are summarized as set forth in paragraphs C-H below, the Contractor does hereby acknowledge that it has reviewed a copy of the Good Jobs Ordinance and that it has read the Ordinance, and that Contractor is familiar with the obligations imposed on the Contractor and each Subcontractor by the Good Jobs Ordinance.

14.1.2 Failure of the Contractor or its Subcontractors to comply with the Good Jobs Ordinance shall be a material breach of this Agreement.

14.1.3 This paragraph shall apply to a Covered Project, as that term is defined in the Good Jobs Ordinance, in the City with a value of $500,000.00 or greater and only to the extent permitted by federal and state law.

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

14.1.4 Definitions. For purposes of this paragraph:

i. "Administrator" shall be defined as it is in the Good Jobs Ordinance.

ii. "Apprentice" shall be defined as it is in the Good Jobs Ordinance.

iii. "Basic Skilled Worker" shall be defined as it is in the Good Jobs Ordinance.

iv. "Contractor" shall be defined as it is in the Good Jobs Ordinance.

v. "Covered Project" shall be defined as it is in the Good Jobs Ordinance.

vi. "Hiring Goal" shall be defined as it is in the Good Jobs Ordinance.

vii. "Resident" shall be defined as it is in the Good Jobs Ordinance.

viii. "Subcontractor" shall be defined as it is in the Good Jobs Ordinance and shall include the Contractor's direct subcontractor providing construction work and all lower-tiered (level) providers of construction work.

14.1.5 Hiring Goals. If this Agreement requires the Contractor to perform work on a Covered Project, the Contractor and each Subcontractor shall have as its hiring goals:

i. at least thirty percent (30%) of its total worker hours performed by City Residents, and

ii. at least twenty-five percent (25%) of construction trade jobs shall go to Apprentices and/or Basic Skilled Workers, and

iii. at least seventy percent (70%) of all "new hires" (as that term is defined in the Good Jobs Ordinance) shall be "economically disadvantaged" individuals (as that term is defined in the Good Jobs Ordinance), and

iv. a minimum of five percent (5%) of the construction workforce labor hours will be local resident, minority artisans, and

v. a minimum of five percent (5%) of the construction workforce

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

labor hours will be women, and

vi. a minimum of ten percent (10%) of the total work hours shall be allocated for minorities, or

vii. as may otherwise be required by any superseding Federal or State employment discrimination prohibition laws.

14.1.6 Good Faith Efforts. The Contractor and each Subcontractor shall engage in Good Faith Efforts to comply with the Hiring Goals. For the purposes of this paragraph, the term "Good Faith Efforts" shall have the same meaning as it does in the Good Jobs Ordinance. The Contractor and each Subcontractor shall individually implement Good Faith efforts to satisfy the Hiring Goals.

14.1.7 Action Plan and Pre-Construction Meeting. Not later than fourteen (14) business days prior to the scheduled commencement date for construction, the Contractor shall submit a written plan-of-action to the City and to the Administrator of the Good Jobs Ordinance defining how the Contractor, and each Subcontractor, shall implement Good Faith Efforts to fulfill the Hiring Goals. Each plan-of-action shall include the anticipated number of job positions required for the Work. Not later than five (5) business day prior to the commencement date of construction, the Contractor must attend a mandatory "pre-construction" meeting with the City to review all plans-of-action and other relevant materials. No construction work shall proceed absent this pre-construction meeting.

14.1.8 Other Contractor Obligations. In addition to the foregoing, the Contractor shall ensure that all Subcontractor contracts and agreements expressly set forth and state as binding obligations therein, subject to appropriate party name change, the above Hiring Goals and Good Faith Efforts. The Contractor shall be accountable for, and liable to the City for, Contractor and each Subcontractor compliance with Hiring Goals and Good Faith efforts.

i. The Contractor shall meet with the Administrator no less than four (4) weeks prior to the commencement of construction on a Covered Project and provide the Administrator with the number of job positions to be created by the project by trade and the qualifications by job tile.

ii. The Contractor shall be required to produce Contractor and Subcontractor documentation that may be required under the provisions of the Good Jobs Ordinance or that the City or the Administrator reasonably believes will assist the City or the Administrator with their evaluation of Hiring Goals and Good Faith Efforts.

iii. The Contractor shall deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

Moreover, the Contractor shall require each Subcontractor to create weekly certified payroll records.

iv. The Contractor's and each Subcontractor's payroll records shall include the person-hours, the residential address, race, gender, hiring date, and apprentice (job) classification of all personnel employed under this Agreement and all Contracts and Sub-Contracts thereunder. The Contractor and each Subcontractor shall mark their respective final payroll period records as being final and be signed by an authorized officer or employee.

14.2 Liquidated Damages Applicable To Section 14.1

14.2.1 If the City finds that the Contractor, or a Subcontractor, has failed to achieve Hiring Goals during any five (5) day work period (Monday through Friday), the City shall:

i. issue a written notice to the Contractor specifying the matters constituting such failure and the time period within which Good Faith Efforts documentation must be delivered to the City for its evaluation.

ii. if the Good Faith documentation is not provided or, if provided, it fails to demonstrate compliance with Good Faith Efforts, the Contractor shall, for each failure by the Contractor or a Subcontractor to achieve the Hiring Goals during a full five-day work period, pay to the City one thousand dollars ($1,000.00) as liquidated damages.

14.2.2 If the City finds that the Contractor, or a Subcontractor, has failed to deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period the Contractor shall, as liquidated damages pay one thousand dollars ($1,000.00) to the City for each week of ongoing violation.

14.2.3 The City shall provide the Contractor with an invoice identifying all sums due the City, as liquidated damages, because of the Contractor or a Subcontractor's failure to comply with the Good Jobs Ordinance as set forth above.

14.2.4 No portion of any invoice submitted by a Contractor that is subject to liquidated damages shall be paid by the City until such time as all liquidated damages relating to that invoice have been paid to the City.

14.2.5 The foregoing liquidated damages provisions shall be expressly set forth, subject to appropriate party name adjustments, as material provisions in all Contracts that the Contractor has with Subcontractors and the Contractor is obligated hereunder to enforce compliance in such Contracts with Subcontractors.

DRAFT CONTRACT – CITY RESERVES THE RIGHT TO REVISE

14.2.6 Any payment of liquidated damages hereunder shall not preclude a later claim, nor any later finding of a breach, or any payment of additional damages related to such later claim.

15. Place Holder.

16. Termination.

16.1. Termination of Contract for Cause. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the City shall thereupon have the right to terminate this Contract by either **(i)** giving written notice to the Contractor of a date certain by which Contractor shall, to the written satisfaction of the City, cure after which and without further action by any party, such termination shall automatically become effective and binding, or **(ii)** giving written notice to the Contractor specifying the effective date of such termination at least five (5) business days before the effective date of such termination.

16.1.1 In the event of a termination, all finished or unfinished documents, data, studies, reports, plans, specifications, drawings, supplies, services, etc. prepared by the Contractor under this Contract shall, at the option of the City, become the City's property, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed for such.

16.1.2 Notwithstanding the above, the Contractor shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of this Contract by the Contractor, and the City may withhold any payments to the Contractor for the purpose of setoff until such time as the exact amount of damages due the City from the Contractor is determined.

16.2. Termination for Convenience of the City. The City may terminate this Contract at any time for the convenience of the City, by a notice in writing from the City to the Contractor. If this Contract is terminated by the City as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the services performed bear to the total services of the Contractor covered by this Contract, less payments of compensation previously made.

16.3. Termination for Non-Appropriation or Lack of Funding. The Contractor acknowledges that the City is a municipal corporation and that this Contract is subject to the appropriation and disbursement of funds by the City sufficient for this Contract for each budget year in which this Contract is in effect. The Contractor therefore agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City if sufficient funds to provide for City payment(s) under this Contract is not appropriated, not authorized, or not made available, or such funding has been reduced. In the event this Contract is subject, in whole or in part, to the appropriation and disbursement of Federal and/or State funds and those Federal and/or

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

State funds are not appropriated or are not disbursed to the City, the Contractor hereby agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City.

16.3.1 Effects of Non-Appropriation. If funds to enable the City to effect continued payment under this Contract are not appropriated, authorized or otherwise made available by law, the City shall have the right to terminate this Contract without penalty at the end of the last period for which funds have been appropriated, authorized or otherwise made available by law by giving written notice of termination to the Contractor.

16.3.2 Effects of Reduced Levels of Funding. If funding is reduced by law, or funds to pay the Contractor for the agreed to level of the products, services and functions to be provided by the Contractor under this Contract are not appropriated, authorized or otherwise made available by law, the City may, upon seven (7) business days written notice to the Contractor, reduce the level of the products, services or functions in such manner and for such periods of time as the City may elect. The charges payable under this Contract shall be equitably adjusted to reflect such reduced level of products, services or functions and the parties shall be afforded the rights set forth in this Contract.

16.3.3 No Payment for Lost Profits. In no event shall the City be obligated to pay or otherwise compensate the Contractor for any lost or expected future profits.

16.4. Rights Upon Termination.

16.4.1 Termination for Cause. In the event the City terminates this Contract for cause, the Contractor shall relinquish to the City any applicable interest, title and ownership including, but not limited to, perpetual use of any proprietary rights in and to the products and deliverables delivered to, in possession of and properly invoiced and paid for by (except to the extent such invoiced amount is disputed) the City. Regarding third party products, the Contractor shall transfer all licenses which it is permitted to transfer in accordance with the applicable third-party license. The City shall have no financial obligation to compensate the Contractor for such terminated products unless payment is otherwise approved by the City prior to such termination. The Contractor shall be liable for costs incurred by the City, including but not limited to reasonable attorney fees and all court awarded fees and costs incurred in terminating this Contract in whole or in part.

16.4.2 Termination for Lack of Funding or Convenience. In the event of termination by the City for lack of funding or convenience, the City shall pay the Contractor for all labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc.(including any holdbacks) installed and delivered to the City as of the Termination Date and the Contractor shall relinquish to the City any applicable interest, title and

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

ownership including, but not limited to perpetual use of any proprietary rights in and to said labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. delivered to, in possession of and paid for by the City (except to the extent any invoiced amount is disputed). The Contractor shall be required to exercise commercially reasonable efforts to mitigate damages. In the event of a termination for Lack of Funding or Convenience the City and the Contractor may negotiate a mutually acceptable payment to the Contractor for reasonable demobilization expenses. Said demobilization expenses, if any, shall be handled in accordance with the provision of this Contract pertaining to changes in the Project.

16.4.3 Assumption of Subcontracts. In the event of termination, the City shall have the right to assume, at its option, one or all subcontracts for products, services and functions provided exclusively under this Contract.

16.4.4 Delivery of Documents. In the event of termination, **(i)** the Contractor shall promptly deliver to the City, in a manner reasonably specified by the City, all documents and other tangible items furnished by, or owned, leased, or licensed by, the City, and **(ii)** the City shall pay the Contractor for all services performed and deliverables completed and accepted (pro-rated for deliverables partially completed) prior to the effective date of the termination (except to the extent any invoice amount is disputed).

17. Force Majeure. Contractor shall not be held responsible for delays nor be subject to liquidated damages when such delays are caused by conditions beyond its control, including without limitation:

17.1. Acts of God, fire, explosion, epidemic, cyclone, flood, war, strikes, revolution, civil commotion, or acts of public enemies; and

17.2. Change of law and order, proclamation, regulation, ordinance, or governmental requirement.

17.3 Upon cessation of work for reason of force majeure delays, Contractor shall use its best efforts to meet the schedule set forth in Section 5 of this Contract.

18. Subcontracting. The Contractor shall not, without the prior written approval of the City's Using Agency, subcontract, in whole or in part, any of the Contractor's services. Any subcontractor so approved shall be required to secure and maintain insurance coverage equal to or better than that required of the Contractor and shall name the City as an additional insured party and said subcontractors shall deliver to the City a certificate of insurance evidencing such coverages. All subcontractors shall comply with all federal, state and local, laws, regulations and ordinances but such requirement shall not relieve the Contractor from its requirement that all services provided hereunder shall comply with all Federal, State and local, laws, regulations and ordinances.

18.1. The Contractor shall be as fully responsible to the City for the acts and

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

omissions of its subcontractors, and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by the Contractor.

18.2. The Contractor is responsible for and shall control activities of its subcontractors, and the subcontractors shall consult and cooperate with one another and other contractors working on the Project site. Each subcontractor shall furnish all necessary information to other subcontractors and shall lay out and install its own work to avoid any delays or interferences with the work of another. Any cost for changes, cutting and/or repairing, made necessary by failure to observe the above requirements shall be borne by the Contractor or subcontractor responsible for such failure or neglect.

18.3. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove a subcontractor.

19. Assignability. The Contractor shall not assign any interest in this Contract and shall not transfer any interest in the same (whether by assignment or novation) without the prior written approval of the City; provided, however, that claims for money due or to become due the Contractor from the City under this Contract may be assigned to a bank, trust, company, or other financial institution, or to a Trustee in Bankruptcy, without such approval. Notice of any such assignment or transfer shall be furnished promptly to the City.

20. Audit. The City reserves the right to audit the Contractor's books of account in relation to this Contract at any time during the period of this Contract or at any time during the twelve-month period immediately following the closing or termination of this Contract. In the event the City elects to make such an audit, the Contractor shall immediately make available to the City all records pertaining to this Contract, including, but not limited to, payroll records, bank statements and canceled checks.

21. Interest of City Officials. No member of the governing bodies of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the Project to which this Contract pertains, shall have any personal interest, direct or indirect, in this Contract.

22. Interest of Contractor. The Contractor covenants that it presently has no interest and shall not acquire any interest, direct or indirect, in the Project or any parcel of land therein or any other interest which would conflict in any manner or degree with the performance of its services hereunder. The Contractor further covenants that in the performance of this Contract no person having any such interest shall be employed.

23. Entire Contract. This Contract shall constitute the complete and exclusive statement of the contract between the parties as it relates to this transaction and supersedes all previous agreements and understandings, whether written or oral, relating to such subject matter. Any amendment to this Contract must be in writing and agreed to and executed by the City and the Contractor and must comply with the City's Charter and Code of Ordinances.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

24. Independent Contractor Relationship. The relationship between the City and the Contractor is that of client and independent contractor. No agent, employee, or servant of the Contractor shall be deemed to be an employee, agent or servant of the City. The Contractor shall be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subcontractors during the performance of this Contract.

25. Severability. Whenever possible, each provision of this Contract shall be interpreted in such a manner as to be effective and valid under applicable law. If any provision of this Contract, however, is held to be prohibited or invalid under applicable law, such provision shall be deemed restated to reflect the original intentions of the parties, as nearly as possible in accordance with applicable law, and if capable of substantial performance, the remaining provisions of this Contract shall be enforced as if this Contract was entered into without an invalid provision. If the ruling and/or controlling principle of law or equity leading to the ruling is subsequently overruled, modified or amended by legislation, judicial or administrative action, then the provision(s) in question as originally set forth in this Contract shall be deemed valid and enforceable to the maximum extent permitted by the new controlling principal of law or equity.

26. Survival. Any provisions of this Contract that impose continuing obligations on the parties shall survive the expiration or termination of this Contract for any reason.

27. Changes in the Project: Change Orders.

27.1. Requests for Change Orders. The City reserves the right on its own volition or based upon a proposal for a Change Order submitted in written form with a thorough explanation by the Contractor, to request from time to time any changes to the requirements and specifications of this Contract and the products to be provided and the functions and services to be performed by the Contractor under this Contract. Such changes must be authorized by the City. The City will not approve of any change orders, deletions, additions, or additional work items to the Scope of Services or any change in the terms and conditions of this Contract except by means of a City authorized amended Scope of Services, applicable and restricted to those items set forth in §1, above, or Change Order issued as set forth in this section, except in the event of an emergency endangering life or property.

27.2. Procedures.

27.2.1 The Contractor's Response to a Change Request.

i. Within thirty (30) calendar days after receipt of a request by the City for any such change or such other period as the Parties may mutually agree to in writing, the Contractor shall submit to the City a proposal describing any changes in Contract Milestones or Contract completion dates, products, functions, timing of delivery, assignment of personnel, and the like, and any associated price adjustment. The Contractor's proposal shall describe, in detail, the basis for the proposed

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

price adjustment, including the charges for any products required to implement the change request.

ii. To the extent that additional costs or cost savings result from a change in required products, the Contractor shall obtain any additional products and provide them to the City at a negotiated price acceptable to the City and the Contractor. Similarly, if the change request is expected to result in a reduction in products required to perform the services, the Contractor's charges shall be reduced by the cost savings resulting from the products eliminated by the change request.

27.2.2 City's Acceptance of Change Request. If the City accepts the Contractor's proposal, the City shall issue a change order referencing the Contractor's proposal and both parties shall sign the change order. The Contractor shall not implement any change request until the City has issued a valid, properly executed, change order.

27.2.3 City's Rejection of Change Request. If the City does not accept the Contractor's proposal, the City may within two weeks of such non-acceptance: **(i)** withdraw its change request; or, **(ii)** modify its change request, in which case the procedures set forth above shall apply to the Contractor's response to the modified change request.

27.3. City Discretion. The City may, in its sole discretion, approve the proposed Change Order and shall forward same for additional signatures under the following conditions: **(i)** If it conforms to provisions of applicable laws, and **(ii)** if it is consistent with this Contract, and **(iii)** if the time of performance of this Contract will not be unreasonably delayed, **(iv)** the Final Completion date is not changed, **(v)** if the Change Order requires a change to the Final Completion date, such change has been authorized by an approved, executed, written Amendment to this Contract, and **(vii)** if the Change Order requires an increase in the price of the Contract, the City **(1)** has sufficient funds, and **(2)** if a budget transfer is required to cover the cost of the proposed Change Order, such transfer has secured the written approval of the Board of Aldermen and other required regulatory agencies.

27.4. Change Orders Governed by the Provisions of this Contract. All work performed under a Change Order is governed by the provisions of this Contract.

28. Conflicts or Disputes. This Contract represents the concurrence between the City and the Contractor and governs all disputes between them. In the instance of a conflict or dispute over issues not specifically referenced within the Contract, the following documents shall be used as historical documents, without regard to the order of precedence, to resolve such conflicts or disputes, as follows: **(i)** the City's **RFP Number 8015** and **(ii)** the Contractor's Bid response to **RFP Number 8015**, dated _____, 2024. Said historical documents are attached hereto as part of **Attachment A.**

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

28.1. Procedure. This procedure supersedes all statements to the contrary occurring either in proposals or other prior agreements, oral or written, and all other communications between the parties relating to this subject.

28.2. Presumption. This Contract or any section thereof shall not be construed against any party because the Contract or any section thereof was drafted by such party.

29. Disputes; Legal Proceedings; Waiver of Trial by Jury and Continued Performance. The Contractor agrees that it waives a trial by jury as to all claims, causes of action or disputes arising out of this Contract or services to be provided pursuant to this Contract. Notwithstanding any such claim, dispute or legal action, the Contractor shall continue to perform services under this Contract in a timely manner, unless otherwise directed by the City.

30. Binding Contract. The City and the Contractor each bind themselves, and their successors, assigns and legal representatives to the other party to this Contract and to the successors, assigns and legal representatives of such other party with respect to all covenants of this Contract.

31. Waiver. Any waiver of the terms and conditions of this Contract by either of the parties hereto shall not be construed to be a waiver of any other term or condition of this Contract.

32. Governing Laws. This Contract, its terms and conditions and any claims arising there from shall be governed by the laws of the State of Connecticut.

33. Notice. Except as otherwise specifically prohibited in this Contract, whenever under this Contract approvals, authorizations, determinations, notices, satisfactions or waivers are required or permitted, such items shall be effective and valid only when given in writing signed by a duly authorized officer of the City or the Contractor, and delivered in hand or sent by mail, postage prepaid, to the party to whom it is directed, which until changed by written notice, are as follows:

Contractor:

City: City of Waterbury
City Hall
235 Grand Street
Waterbury, CT 06702

With a copy to: Waterbury Corporation Counsel's Office
City of Waterbury
City Hall
235 Grand Street

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

Waterbury, CT 06702

34. City Code of Ordinances, Ethics and Conflict of Interest Code, Provisions. The Person (the term "Person" shall herein be as defined in Section 38 of the City's Code of Ordinances) supplying the labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. under this Contract shall comply with all applicable Federal, State and Municipal statutes, regulations, charters, ordinances, rules, etc, whether they are expressly stated in this Contract, including but not limited to the following:

34.1. It shall be a material breach of this Contract, and, except as may be permitted by regulations or rulings of the City of Waterbury Board of Ethics it shall be a violation of the City's Code of Ordinances, for any Public Official, City Employee or Member of a Board or Commission who is participating directly or indirectly in the procurement process as set forth in the City's Code of Ordinances, including those participating in exempt transactions, to become or be the employee of any person contracting with the governmental body by whom the Official, Employee, or Board or Commission member is employed or is a member.

34.2. It shall be a material breach of this Contract, and it shall be a violation of the City's Code of Ordinances for any Person to offer, give, or agree to give any current or former Public Official, Employee or Member of a Board or Commission, or for such current or former Public Official, Employee or Member of a Board or Commission to solicit, demand, accept or agree to accept from another Person, a gratuity or an offer of employment in connection with any: decision; approval; disapproval; recommendation; preparation of any part of a program requirement or a requisition; influencing the content of any specification or procurement standard; or rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a Contract or Purchase Order, or to any solicitation or proposal therefore.

34.3. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for any payment, Gratuity, or offer of employment to be made as an inducement for the award of a subcontract or order, by or on behalf of a subcontractor, the prime Contractor or higher tier subcontractor or any Person associated therewith, under a Contract or Purchase Order to the City.

34.4. The value of anything transferred or received in violation of the City's Charter, Code of Ordinances, and/or regulations promulgated there under, by any Person subject to said Charter and/or Ordinances may be recovered by the City.

34.5. Upon a showing that a subcontractor made a kickback to the City, a prime Contractor or a higher tier subcontractor in connection with the award of a subcontract or order there under, it shall be conclusively presumed that the amount thereof was included in the price of the subcontract or order and ultimately borne by the City and will be recoverable hereunder from the recipient. In addition, said value may also be

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

recovered from the subcontractor making such kickbacks. Recovery from one offending party shall not preclude recovery from other offending parties.

34.6. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for a Person to be retained, or to retain a Person, to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee; and every Person, before being awarded a City Contract, shall deliver to the City, on a City authored form, a representation that such Person has not retained anyone in violation of this subsection 34.6, the failure to deliver said form being a material breach of this Contract and a violation of the City's Code of Ordinances. Note, however, this subsection 34.6 shall not apply to full-time Employees who, as a condition of their employment, may be entitled to bonuses or other fees in accordance with their employment relationship.

34.7. The Person hereby expressly represents that he/she/it has complied with those sections of the City's Code of Ordinances requiring that said Person has **(i)** delivered to the City an affidavit, on a City authored form, stating that the Person and its affiliates have no delinquent taxes or other financial obligations owned to the City; **(ii)** filed the City authored financial disclosure statement form as set forth in the City's Code of Ordinances regarding disclosure of financial interests; **(iii)** delivered to the City a written acknowledgement, on a City authored form, evidencing receipt of a copy of the "Ethics and Conflict of Interest" ordinance for the City of Waterbury and hereby expressly represents that said Person is in full compliance with the entirety of said Code of Ordinances; and **(iv)** filed a current list of all taxable personal and real property as required by the State of Connecticut General Statutes. Any violation of this subsection 34.7 shall be deemed a material breach of this Contract and shall be a violation of the City's Code of Ordinances.

34.8. The definitions set forth in the City's Code of Ordinances shall be the primary source for interpretation of the forgoing subsections 34.1-34.7.

34.9. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, all relevant provisions of the City's Charter and all relevant provisions of the City's Code of Ordinances, including without limitation Chapters 93, titled "Discriminatory Practices", Chapter 38 titled "Centralized Procurement System", and Chapter 39 titled "Ethics and Conflict of Interest", of said Code as may be amended from time to time.

34.10 The Contractor hereby acknowledges receipt of a copy of the Chapters 38 and 39 of City's Ordinance regarding Procurement, Ethics, and Conflicts of Interest and has familiarized itself with said Code and hereby agrees to adhere to said Code. The text of Chapters 38 and 39 of said Code may be obtained from the Office of the City Clerk of the City and on the internet at the City Clerk's web site: *http://www.waterburyct.org/content/458/539/default.aspx* [click link titled "The City of Waterbury Code of Ordinances *Passed 8/24/2009*". For Chapter 38, click on **"TITLE III: ADMINISTRATION",** then click **on "CHAPTER 38: CENTRALIZED PROCUREMENT SYSTEM"**. For Chapter 39, click on **"TITLE**

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

III: ADMINISTRATION", then click on **"CHAPTER 39: ETHICS AND CONFLICTS OF INTEREST"**].

34.11. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, the City's Ordinance Sections 34.15 through 34.99 entitled, "Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects," and the State of Connecticut Legislature's Special Act No. 01-1.

34.12. Every Person who conducts business with, contracts, with or provides commodities or services to the City, is charged with notice of the extent of the powers and authority, and the limitations thereon, of the Public Officials and Employees of the City, as set forth in the charter of the City, the Code of Ordinances and any Regulations or Policies pertaining thereto. In particular, and without implying any limitation as to its applicability, it applies to all Persons who participate in the procedures pertaining to the Centralized Procurement System as set forth in Chapter 38, and the Ethics and Conflict of Interest provisions set forth in Chapter 39 of the Code of Ordinances.

34.13. INTEREST OF CITY OFFICIALS. No member of the governing body of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the project, to which this agreement pertains, shall have any personal interest, direct or indirect, in this agreement.

34.14. PROHIBITION AGAINST CONTINGENCY FEES. The Contractor hereby represents that it has not retained anyone to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage or contingency fee.

34.15. FREEDOM OF INFORMATION ACT NOTICE. Pursuant to State statute, in the event the total compensation payable to the Contractor set forth in Section 6 of this Contract is greater than $2,500,000.00, the City is entitled to receive a copy of all Contractor records and files related to the performance of this Contract and those records and files are subject to the Freedom of Information Act ("the Act") and may be disclosed by the City pursuant to the Act.

35. Definitions. Whenever the following, words, terms, etc. appear in this Contract, the intent and meaning shall be as follows:

35.1 Additional Work: Work required by the City that involves a substantial addition to, deduction from or modification of the Contract Documents.

35.2 Bid or Proposal: The form on which the bidder is to submit a bid for the Work contemplated.

35.3 Bidder: A person, partnership, corporation or other business organization submitting a bid on the form for the Work contemplated.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

35.4 City: The City of Waterbury, acting directly or through specifically authorized personnel.

35.5 Construction Supervisor: An employee of the City of Waterbury, or another City duly authorized person.

35.6 Contract Time: The number of days as stated in the Contract to: **(i)** achieve Substantial Completion and **(ii)** Final Completion.

35.7 Equal: The recognized equivalent in substance and function; considering quality, workmanship, economy of operation, durability and suitability for purposes intended, and not constituting a change in the Work specified. Whenever the words "equal" or "equals" or words of like import are used, it shall be understood they mean "equal" in the opinion of the City.

35.8 Final Completion: The time at which the Project has progressed to the point where, in the opinion of the City, the Project is complete such that it is ready for final payment as evidenced by the City's, or its duly authorized City representative's, written recommendation of final payment. The terms "finally complete" and "finally completed" as applied to the Project refer to Final Completion.

35.9 Notice to Proceed: A letter from the City which shall state the date of execution of the Contract and specifically advise the Contractor to begin work on the Contract.

35.10 Plans: All drawings or reproductions of drawings pertaining to the construction of the work contemplated and its appurtenances.

35.11 Project Engineer or Manager: An employee of the City or a person, partnership, corporation or other business organization under contract with the City, commissioned to perform construction administration and inspection duties during construction.

35.12 Shop Drawings: Drawings, diagrams, schedules, performance charts, brochures and other materials prepared by the Contractor or subcontractors, manufacturers or distributors which illustrate some portion of the work.

35.13 Specifications or Technical Specifications: The description, provisions and other requirements pertaining to the materials, methods and manner of performing the Project.

35.14 Subcontractor: A person, partnership, corporation or other business organization supplying labor and/or materials for work at the site of the Project to and under agreement with the Contractor.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

35.15 Substantial Completion: The time at which, in the opinion of the Engineer, the Project (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Project (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Project mean Substantial Completion thereof.

35.16 Substitution: A replacement of specified material, device or equipment which is sufficiently different in substance, function, quality or workmanship to become the subject of a Change Order.

35.17 Supplementary General Conditions: An extension to the terms, conditions, and provisions set forth in this document as additional, material, provisions of this Contract.

35.18 Work: All plant, labor, materials, services, supplies, equipment and other facilities and items necessary for, or incidental to, the completion of the terms of the Contract.

35.19 Using Agency: School Inspector's Office, Department of Education.

SIGNATURE PAGE FOLLOWS

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

IN WITNESS WHEREOF, the parties hereto execute this Contract on the dates signed below.

WITNESSES:

_____

_____

CITY OF WATERBURY

By:_____
Paul K. Pernerewski, Jr., Mayor

Date: _____

WITNESSES:

_____

_____

_____

By:_____
_____, duly authorized

Date: _____

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

ATTACHMENT A

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

ATTACHMENT B

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

Attachment C Document

- ADDENDUM/CERTIFICATION/NOTICE OF ACCEPTANCE

ATTACHMENT C

KEVIN MC CAFFERY
DIRECTOR OF PURCHASING
235 GRAND STREET, ROOM 103
WATERBURY, CT 06702

The undersigned declares that the only persons or parties interested in this Proposal as principals are as stated; that the Proposal is made without any collusion with other persons, firms, or corporations; that Proposer has carefully examined the entire Request for Proposal; that Proposer has informed itself fully in regard to all conditions pertaining to the Work and the place where it is to be performed; and that with this representation, the undersigned makes this Proposal. These prices shall cover all expenses incurred in performing the Work required under the Contract Documents, of which this Proposal and Form are a part.

The undersigned agrees and covenants that the Contract Time shall commence on delivery of the City of Waterbury's written notice to proceed, which shall occur after contract execution by both parties.

The undersigned acknowledges receipt of addenda numbered: (insert date)

1 _____ 4 _____

2 _____ 5 _____

3 _____ 6 _____

All Work for this Project shall be performed at the Proposal Prices as described in the Proposal Documents.

The undersigned hereby certifies under the penalties of perjury that this Proposal is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the work "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

_____ _____

Social Security Number
or Federal Identification Number

Signature of Individual or Corporate Name

_____

Corporate Officer
(if applicable)

City notice of acceptance should be mailed, telegraphed or delivered to the undersigned Proposer at the following address:

Name _____
By: _____
(Title)
Business Address: _____
(City, State, Zip Code)
_____
_____
Phone: _____
Email:_____
Date: _____

Note: If the Proposer is a corporation, indicate State of incorporation under signature, and affix corporate seal; if a partnership, give full names and residential addresses, if different from business address.

Attachment D Document

- INSURANCE REQUIREMENTS

REQUEST FOR PROPOSAL
#8015
BY
THE CITY OF WATERBURY
DEPARTMENT OF EDUCATION
Chiller Maintenance, Multi-Year

Attachment D

Insurance Requirements

Contractor/Vendor shall agree to maintain in force at all times during the contract the following minimum coverages and shall name the City of Waterbury and the Waterbury Board of Education as Additional Insured on a primary and non-contributory basis to all policies, except Workers Compensation. All policies should also include a Waiver of Subrogation. Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum AM Best's rating of "A"VIII.

If any policy is written on a "Claims Made" basis, the policy must be continually renewed for a minimum of two (2) years from the completion date of this contract. If the policy is replaced and/or the retroactive date is changed, then the expiring policy must be endorsed to extend the reporting period for claims for the policy in effect during the contract for two (2) years from the completion date.

Original, completed Certificates of Insurance must be presented to the City of Waterbury and the Waterbury Board of Education prior to contract issuance. Contractor/Vendor agrees to provide replacement/renewal certificates at least 30 days prior to the expiration date of the policies. Should any of the above described policies be cancelled, limits reduced or coverage altered, 30 days written notice must be given to the City of Waterbury and the Waterbury Board of Education.

General Liability:	**$1,000,000 each Occurrence** **$2,000,000 General Aggregate** **$2,000,000 Products/ Completed Operations Aggregate**
Auto Liability:	**$1,000,000 Combined Single Limit each Accident** **Any Auto, All Owned and Hired Autos**
Workers Compensation:	**WC Statutory Limits** **Employer Liability (EL)** **$1,000,000 EL each Accident** **$1,000,000 EL Disease each Employee** **$1,000,000 EL Disease Policy Limits**
Excess/Umbrella Liability:	**$1,000,000 each Occurrence** **$1,000,000 Aggregate**

Wording for Additional Insured Endorsement and Waiver of Subrogation:

The City Waterbury and its Board of Education is listed as an Additional Insured on a primary and non-contributory basis on all policies except Workers Compensation. All policies shall include a Waiver of Subrogation.

Attachment E Document

- COST PROPOSAL

REQUEST FOR PROPOSAL NO. 8015
BY
THE CITY OF WATERBURY
DEPARTMENT OF EDUCATION
FOR
MULTI-YEAR HVAC CHILLER MAINTENANCE SERVICES

ATTACHMENT E
Price Proposal

(Must be submitted as part of Proposal in a separate sealed envelope, marked "Confidential: Price Proposal.")

Date: _____

Kevin McCaffery
Director of Purchasing
City of Waterbury
235 Grand Street, Room 103
Waterbury, CT 06702

Sir:

Pursuant to and in compliance with your RFP, the Undersigned,

_____
(Print or Type Company/Corporate Name)

_____
(Print or Type Business Address)

_____

_____

_____

having carefully examined all the RFP Documents, together with all Addenda, as acknowledged on Attachment C, and having informed itself fully in regard to all conditions and related requirements pertaining to the performance of services required under this RFP; and that with this representation, the undersigned makes this Proposal, as follows:

[Proposal continued on following page(s)]

Chiller Maintenance Services		
Description	**Amount (In Words)**	**Amount (In $)**
Year 1		**$**
Year 2		**$**
Year 3		**$**
	GRAND TOTAL	

In addition, please provide your hourly rates for repair services including the following:

We, hereby propose to provide the services described herein for the cost per hour rate of:
STRAIGHT TIME Weekdays 7:00a.m. – 5:00p.m.
OVERTIME Weekdays 5:00p.m. – 7:00a.m.
Weekends and Holidays
LABOR:
Foreman $_____ per hr $_____ per hr
Journeyman $_____ per hr. $_____per hr
Apprentice $_____ per hr. $_____per hr
Laborer $_____ per hr. $_____per hr

Materials Markup: The District will not accept markup percentages in excess of Markup Percentage 20% of the invoiced cost of the materials and equipment
_____%

The undersigned hereby certifies under the penalties of perjury that this Proposal is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the work "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

Respectfully submitted by: _____

_____ _____
Social Security Number or Company/Corporate Name (Print or Type)

Federal Identification
Number (Print or Type)

_____
Signature of Authorized Official

_____
Name of Authorized Official (Print or Type)

_____
Title of Authorized Official (Print or Type)

Proposer shall provide Proposers Contact Information below:

Business Address: (Print or Type)	Business Fax Number: (Print or Type)
City, State, Zip Code: (Print or Type)	Business Mobile Number: (Print or Type)

_____ _____
Business Telephone Number: (Print or Type) Business Email Address: (Print or Type)

Note: If the Proposer is a corporation, indicate State of incorporation under signature, and affix corporate

END OF ATTACHMENT E

Attachment G Document

- SCOPE OF SERVICES

REQUEST FOR PROPOSAL #8015
BY
THE CITY OF WATERBURY
DEPARTMENT OF EDUCATION
FOR
Chiller Maintenance Services

ATTACHMENT G

Scope of Services

A. GENERAL DESCRIPTION OF SERVICES:

1. Contractor shall provide a comprehensive Full Service Maintenance Program for the noted Chillers, including all labor, materials, parts, refrigerant, tools, equipment, transportation, supplies, shipping, rigging, and responding to emergency and non-emergency Service Calls as may be necessary to maintain, repair or replace covered equipment as listed in Schedule A, Attachment 1, and return it to design operation status at no additional charge to WPS.
2. Contractor shall provide any and all supplies, refrigerant, Original Equipment Manufacturer (OEM) scheduled preventive maintenance parts and non-OEM materials as may be required for the complete maintenance, repair and replacement of the chillers throughout the performance of this Contract.
3. Contractor shall use only virgin refrigerant or reclaimed refrigerant that meets or exceeds Air Conditioning and Refrigeration Institute (ARI)-700 standards. Refrigerant liability shall be limited to 100 lbs. per unit per year. However, where there is refrigerant loss that is determined to be due to actions or inactions of the contractor, each such refrigerant charge shall be replaced in its entirety at no cost to WPS.
4. No Work described herein shall be, or assumed to be, subcontracted by the bidding Contractor toa subcontractor with exception of chiller overhaul and engagement of factory technicians. Prior authorization from WPS is required

B. DETAILED DESCRIPTION OF CONTRACTORS WORK:

1. A service technician, skilled in all facets of operations, maintenance and repair for this system and familiar with this Premise's equipment, shall be assigned as the primary service technician and shall, in addition to any service calls, dedicate scheduled time for on site assessment and improvement of system performance by completing all required maintenance tasks requested by WPS. Where WPS deems the primary service technician to be unsuitable for this particular Work for any reason, WPS, by written notification to the contractor, may require replacement of the primary technician with a technician who is fully qualified and deemed acceptable to

WPS. All prospective service technicians shall submit to and pass the Premise's security screening, as applicable.

2. Backup technicians shall also be familiar with the chillers, to prevent a lapse in service to the equipment covered under this Contract.
3. Any component and/or equipment authorized for replacement under this Contract shall be of equal or higher quality than the component/equipment originally installed and shall be billed at the current State standard billing rates
4. Contractor shall submit a detailed schedule of proposed Preventive Maintenance (PM) procedures, including all PM procedures recommended by the equipment manufacturers.
5. Contractor shall submit a monthly report verifying that all PM procedures planned for the preceding month have been successfully completed.
6. Contractor shall provide a copy of all data recorded on each machine at the completion of each visit.
7. Contractor shall provide a copy of all test and analysis results with each machine as results are received.
8. Contractor shall coordinate the scheduling of planned maintenance service visits with Customer's Computerized Maintenance Management System (CMMS).
9. Contractor shall perform all required PM as described herein, including all manufacturer's recommended maintenance procedures and industry best practices procedures.
10. The following sections describe the Contractor's general Scope of Services in further detail. Contractor shall make changes to the program, at no additional cost to WPS, as may become necessary to fulfill its obligations of protecting the plant equipment from damage and preserving its energy efficiency and reliability. Contractor shall notify WPS in writing of any required program changes within five (5) business days of the change.

B1. WATER-COOLED CHILLER: Quarterly Tasks

Contractor shall perform the following PM tasks:

1. Quarterly Operating Inspection:

   Parts, oil, lubricants, materials and required repairs are included as required to perform the following PM tasks.

   a. Report to Customer upon arrival.
   b. Perform job site safety checks.
   c. Review alarm history; if applicable.
   d. Check gauges and indicator lights.
   e. Confirm operation of pumps.

f. Check for correct water flow.

g. Record software version; if applicable.

h. Check dehydrator operation.

i. Check operation controls and calibrate controls; if needed.

j. Make equipment adjustments as needed.

k. Clean up work station.

l. Take log readings and evaluate data.

m. Conduct services to include the following as required:

   i. Collect data such as temperatures, pressures and electrical conditions for the chillers.

   ii. Provide and install necessary equipment for determining what parameters and data shall be monitored and collected.

n. Report all deficiencies and necessary repairs that could not be completed during the visit to Customer and obtain signature on report from WPS O&M Manager (School Inspector) or its representative before departure.

B2. WATER-COOLED CHILLER: Annual Tasks

Contractor shall perform the following annual PM tasks:

1. Annual PM Service:

Gaskets, filters, O-rings, oil, lubricants and materials are included as required to perform the following Annual tasks.

a. Report to Customer upon arrival.

b. Perform job site safety checks.

c. Lockout and tag out all circuits.

d. Review and evaluate log readings.

e. Record software version(s).

f. Check gauges and indicator lights; if needed.

g. Check electrical components.

h. Check and tighten electrical connections.

i. Check starter wiring and contactors.

j. Inspect contactors.

k. Check safety controls.

l. Calibrate operating controls; as required.

m. Run controls test.

n. Leak check entire chiller system.

o. Lubricate equipment as needed.

p. Clean dehydrator system and check operation; if needed.

q. Replace oil filter.

r. Replace oil reclaim filter/strainer; as needed.

s. Clean up work station.

t. Report all deficiencies and repairs necessary that could not be completed during the visit to Customer and obtain signature on report from WPS O&M Manager or its representative before departure.

2. <u>Annual Seasonal Startup:</u>

Parts, oil, lubricants and materials are included as required to perform the following annual tasks.

a. Report to Customer upon arrival.

b. Perform job site safety checks.

c. Review alarm history; if applicable.

d. Check gauges and indicator lights.

e. Confirm operation of pumps.

f. Check for correct water flow.

g. Take log readings and evaluate data.

h. Record software version; if applicable.

i. Check dehydrator operation.

j. Check operation controls and calibrate controls as needed.

k. Make equipment adjustments; as required.

l. Clean up work station.

m. Report all deficiencies and repairs necessary that could not be completed during the visit to Customer and obtain signature on report from Contractor's O&M Site Manager or its representative before departure.

3. <u>Annual Vibration Analysis:</u>

The following shall be performed on the mechanical equipment as required for early detection of potential problems:

a. Baseline plot of equipment under current standard conditions.

b. Future measurement shall be compared to the baseline measurements.

c. The amount of any vibration by measuring displacement and peak velocity.

d. Diagnosis of the cause of excessive vibration, and possible corrective measures.

e. Contractor shall provide the following report information to Customer (copy to Contractor):

   i. Initial condition found.

   ii. Vibration Analysis procedure used.

   iii. Hard copy of data charts, severity charts and any signature (baseline) comparisons.

   iv. Interpretation of all data readings.

   v. Recommendations for any corrective action(s). If recommendations are within the Scope of Services, Contractor shall schedule and complete the recommended action(s).

4. <u>Annual Fluid Analysis:</u>

Refrigerant, Oil Analysis and Compressor Oil Change are included as part of this Agreement. These tasks shall be completed as required per manufacturer recommendations.

The Compressor Oil Change shall be based off the Oil Analysis.

5. <u>Annual Replacement of Refrigerant Filter/Filter Drier:</u>

Complete annual replacement of refrigerant filter and filter drier per manufacturer recommendations.

6. <u>Annual Condenser Tube Cleaning:</u>

Tube Brushing or lancing/cleaning, visual tube inspection of the heat exchanger water-side tubes, and heat exchanger head removal and replacement are included as required to perform the following annual tasks:

a. Report to Customer upon arrival.

b. Perform job site safety checks.

c. Lockout and tag out all circuits.

d. Review and evaluate log readings.

e. Remove condenser head (blank end only).

f. Brush condenser tubs.

g. Reinstall condenser head with new gasket.

h. Clean up work station.

i. Report all deficiencies and repairs necessary that could not be completed during the visit to Customer and obtain signature on report from Contractor's O&M Site Manager or its representative before departure.

7. <u>Year One (1) - Cooler Tube Cleaning:</u>

The following Services related to the cooler tube cleaning shall be performed

in Year One (1) only and shall include the following tasks.

a. Report to Customer upon arrival.

b. Perform job site safety checks.

c. Lockout and tag out all circuits.

d. Review and evaluate log readings.

e. Remove cooler head (blank end only).

f. Brush or lance cooler tubes.

g. Reinstall cooler head with new gasket.

h. Clean up work station.

i. Report all deficiencies and repairs necessary that could not be completed during the visit to Customer and obtain signature on report from WPS O&M Manager or its representative before departure.

8. Eddy Current Testing:

Eddy Current testing shall be performed per manufacturer's recommendations in Years One (1), Six (6), Eleven (11) and Sixteen (16). After the Condenser and Evaporator Tubes have been brushed, test the tubing for both bundles to look for any degradation or abnormalities of the tubes.

9. Megger Compressor Motor

Motor meggering services are included as part of the Service Agreement and shall be completed after the completion of each Eddy Current Test or as needed. Contractor shall interpret the results and provide a written report to the Customer including any recommendations for corrective actions(s). Where recommendations are within the Scope of Services, Contractor shall schedule and complete the recommended action(s).

C. CHILLER OVERHAUL:

Years eleven (11) and twelve (12) include additional allowance for Overhauls to the Chillers. Contractor shall review operation of Chillers and determine if overhaul is needed. The cost shall be pre-approved in writing by WPS and invoiced separately.

D. CHILLER VARIABLE FREQUENCY DRIVE (VFD) – STARTER/VFD: Quarterly Tasks

Contractor shall perform the following PM tasks as applicable:

1. Quarterly Operating Inspection:

Parts, oil, lubricants and materials are included as required to perform the quarterly inspection tasks. Contractor shall perform the Quarterly Inspection of the covered equipment as part of this Agreement per manufacturer recommendations.

E. CHILLER VFD – STARTER/VFD: Annual Tasks

Contractor shall perform the following PM tasks:

1. Annual PM Service:

Gaskets, filters, O-rings, oil, lubricants and materials are included as required to perform the following annual tasks:

a. Report to Customer upon arrival.

b. Check voltage supplied to equipment.

c. Lockout and tag out all circuits.

d. Perform job site safety checks.

e. Review and evaluate log readings.

f. Inspect Cooling Fan.

g. Clean air filter(s).

h. Clean power module and cabinet (vacuum).

i. Perform visual inspection of the inductors.

j. Inspect, clean and test harmonic filter as needed.

k. Perform static test of the Silicon-Controlled Rectifiers(SCRs), Diodes, and Insulate Gate Bipolar Transistor (IGBT); record information.

l. Review and record the alarm history.

m. Check starter/drive configurations for accuracy.

n. Verify that ambient temperature and humidity are within its design values.

o. Verify unit is operating in a clean, ventilated location.

p. Clean up work station.

q. Check and tighten electrical connections; as needed.

r. Perform visual inspection and capacitor test of the filter section.

s. Report all deficiencies and repairs necessary that could not be completed during the visit to Customer and obtain signature on report from WPS O&M Manager or its representative before departure.

2. Annual Seasonal Startup:

Annual Seasonal Startup includes maintenance items that require minimal disassembly. Parts, oil, lubricants and materials are included as required items to perform this Service. Contractor shall perform the Annual Seasonal Startup of the covered equipment as part of this Agreement per manufacturer recommendations.

3. Annual PM:

Gaskets, filters, O-rings, oil, lubricants and materials are included as required to perform the following annual tasks. Contractor shall perform the Annual PM on the covered equipment as part of this Agreement per manufacturer recommendations.

F. AIR-COOLED CHILLERS

Semi-annual Tasks:

All maintenance tasks and procedures are to be performed as per manufacturers' recommended requirements and according to the specified procedures, in order to maintain the chillers in proper, efficient and safe working conditions for the purpose of achieving the equipment's normal working life and adherence to the manufacturers' provisions for warranty coverage.

a. Check the oil level in the compressor(s) oil level sight glass.
b. Check liquid line sight glass/moisture indicator.
c. Record system operating pressures and temperatures.
d. Check programmable operating set points and safety cutouts and assure they are correct for the particular application.
e. Check condenser coils for dirt/debris and clean with approved pH neutral cleaner.
f. Use fin comb to straighten any collapsed/damaged condenser coil fins
g. Check compressor superheat on evaporator and condenser subcooling[1].
h. Check compressor heaters for operation and current.
i. Check evaporator heaters for operation and current (as applicable)
j. Sample compressor oil and replace if necessary[1].
k. Leak check the chiller[1].
l. Disconnect the power source and lock out; check tightness of power wiring connections[1]
m. Check Suction: Saturated Pressure – Suction Temperature – Superheat
n. Discharge: Pressure (saturated) – Line Temperature – Superheat
o. Condensing: Saturated Pressure – Temperature – Sub cooling at Condenser outlet
p. Hot Gas Bypass Air temperature (On & Off values)
q. With chiller power LOTO, check all contactor electrical power terminal connections – re-torque as necessary per mfg's specifications

r. Inspect condenser fans and motors
    i. Check power terminal connections and re-torque as needed
    ii. Check fan blades for damage, wear and clearance to throat
    iii. Check motors amps for proper rated current loading
    iv. Lubricate all non-sealed bearings, according to manufacturers' recommended products, quantity and procedures, ensure relief plugs (if provided) are removed during lubrication and replaced thereafter.
s. Inspect and test all control functions and instrumentation as per manufacturers' guidelines.
t. Check calibration of all instrumentation, including temperature, pressure and flow
u. Ensure that all programmable set points are correctly set for site conditions and application
v. Check for unusual vibration and noise, isolate issue(s), inform WPS and perform repairs as authorized
w. Check for corrosion and damage to all parts of chiller and condenser package

G. CONTRACTOR PROVIDED COVERAGE

Contractor shall be available to provide service coverage twenty-four (24) hours per day, three hundred sixty-five (365) days per year. No subcontracting of services allowed excluding rigging services if needed

H. SERVICE CALLS

1. Service Calls are non-scheduled visits requested by WPS O&M Manager during normal business hours that include any cooling tower equipment, which requires service, but does not jeopardize safe operations, as determined by the Customer. Service Calls necessitated by the equipment listed below are included in this Scope and shall be provided at no additional cost to WPS.
2. The contractor shall respond to Service Calls in an expedient manner. A qualified technician shall respond in the time frames set out below, the cost of which is included in this Scope and shall be provided at no additional cost to WPS.
    a. Contractor shall provide on-site service within one (1) business day after being notified of a problem by WPS.
    b. Contractor shall submit a detailed service report to WPS O&M Manager for each Service Call within seven (7) days of the call.

3. For Service Calls determined by Customer to be outside the Scope of this Agreement:
    a. Contractor shall invoice Customer for all costs incurred at labor rates and materials charge as shown in the table on Section G of this document.
    b. Contractor waives the right to charge Customer for a service call for which Customer does not receive a detailed service report within seven (7) days. The service report shall be referenced on and submitted with the invoice.
    c. All billable repair Work shall be approved in advance by the Customer. Contractor shall provide a detailed quote of needed repairs to Customer and receive written authorization from Customer prior to performing any repair Work.
    d. Invoices must be submitted to Customer within thirty (30) days of the event and include the service ticket(s), signed by an authorized WPS representative, detailing the work performed, in order to qualify as billable.

I. EMERGENCY SERVICE CALLS

1. Emergency Service Calls are non-scheduled visits requested by Customer during any hours for emergency service on any equipment, which requires service and cannot wait for standard services, due to conditions that jeopardize safe operations at the Facility, as determined by the Owner. Emergency Service Calls necessitated by the equipment listed are included in this Scope and shall be provided at no additional cost to Customer.
2. The contractor shall respond to Emergency Service Calls in an expedient manner. A qualified technician shall respond in the time frames set out below.
    a. Contractor shall provide telephone response within thirty (30) minutes.
    b. Contractor shall provide on-site emergency service within four (4) hours.
    c. Contractor shall be available to provide twenty-four (24) hours per day, three hundred sixty-five (365) days per year coverage.
    d. Contractor shall submit a detailed service report to Customer's O&M Office for each Emergency Service Call within seven (7) days of the call.
3. For Emergency Service Calls determined by Customer to be outside the Scope of this Agreement:
    a. Contractor shall invoice Customer for all costs incurred at labor rates and materials charge as shown in the Table, Preferential Service and Contract Service Rates, in Section Q above.
    b. Contractor waives the right to charge Customer for a service call for which Customer does not receive a detailed service report within seven (7) days. The service report shall be referenced on and submitted with the invoice.
    c. All billable repair Work must be approved in advance by Customer. Contractor shall provide a detailed quote of needed repairs to Customer

and receive written authorization from Customer prior to performing any repair Work.

d. Invoices must be submitted to Customer within thirty (30) days of the event and include the service ticket(s), signed by a Customer representative, detailing the Work performed, in order to qualify as billable.

J. SPECIAL PROJECT CONDITIONS

1. Contractor shall schedule shutdown of equipment/systems with Customer's operating personnel, as needed. No system shall be shut down without prior coordination and permission from Customer.
2. All contractor personnel shall comply with Customer's requirements for identification badges, sign-in and sign-out, escorts (if required), drug-free workplace, and the placing of placards on company vehicles.
3. Contractor shall review manufacturer's instructions for each piece of equipment listed in this document.
4. Contractor shall immediately inform Customer of any and all problems with the system and equipment covered under this RFP.
5. Contractor shall prove that any given failure is not due to lack of proper water treatment. Evidence shall be made available to Customer and any Customer approved third party upon request.
6. The Work shall be performed during Normal Working Hours defined as Monday through Friday, 8:00 a.m. to 5:00 p.m. unless other arrangements are coordinated in advance with the Owner and Contractor representatives.
7. The following holidays are observed. Prior work authorization must be obtained from the WPS

    - New Year's Day
    - Martin Luther King Jr's Birthday
    - President's Day
    - Memorial Day
    - Juneteenth
    - Independence Day
    - Labor Day
    - Columbus Day
    - Veterans Day
    - Thanksgiving Day
    - Christmas Day

    The term "Federal holidays" includes days on which Federal holidays are observed in lieu of the actual holidays.
8. If the Contractor, for its convenience, desires to perform Work during hours other than Normal Working Hours or on other than Normal Work Days, the Contractor shall be responsible for any additional expense such as, but not

limited to, overtime pay for Contractor's employees, Customer's inspectors, security and utilities services, if required.

K. RECORDS

1. Contractor shall complete maintenance/service tickets for each site visit covering the services under this Agreement. Complete records of all Work performed by the Contractor shall be documented and submitted to Customer with each monthly invoice and a copy shall be remitted via email to <Mike.Konopka@waterbury.k12.ct.us>.
2. Electronic Service Reports: Contractor shall provide access to all data collected from Contractors' service visits and /or operator logging.

L. REPORTING:

1. Service reports of all site visits and testing shall be maintained and delivered to Customer monthly via email to Mike Konopka <Mike.Konopka@waterbury.k12.ct.us>.
2. Technical bulletins with recommended maintenance procedures shall be available upon request.

M. JOB SITE SAFETY/ENVIRONMENTAL CONDITIONS

1. Contractor shall adhere to Contractor's Site Safety Plan attached hereto under Exhibit 3.
2. It is the Contractor's responsibility to become familiar with and adhere to all job site safety requirements.
3. Any hazardous materials issues shall be the sole responsibility of the Contractor.
4. Contractor must comply, where applicable, with the most recent standards of:

    - American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) Standards
    - National Electric Code (NEC)
    - National Electrical Safety Code (NESC)
    - National Fire Protection Association Standards (NFPA)
    - OSHA Standards
    - National Electrical Manufacturer's Association (NEMA)
    - Underwriters Laboratory (UL)
    - Joint Commission on Accreditation of Healthcare Organizations (JCAHO)
    - ASHRAE Standard 188-2018

NOTE:
The omission of detailed specifications does not limit the quality of Services to be provided and only the best practices will be acceptable. All equipment shall be maintained and managed in accordance with the guidelines stipulated in the ASHRAE Standard 188-2018, Legionellosis: Risk Management for Building Water Systems, and the ASHRAE Guideline 12-2000, Minimizing the Risk of Legionellosis associated with Building Water Systems.

No requirement of this document shall supersede applicable regulations, local codes and/or standards.

N. REPAIRS:

Repairs consist of the repair or replacement of moving parts, motor stators, motor rotors, and maintainable components that may have failed unexpectedly. Labor and/or materials are included as part of this Service Agreement.

O. ADMINISTRATION

1. Contractor shall document every service call/inspection and submit a copy of the report to the Customer via email to the Superintendent's office and to the School Inspector's office.
2. The report shall include the following information:
   a. Date of service.
   b. Time of service.
   c. Reason for service.
   d. Location of service.
   e. Name of individual performing the service.
   f. Service items left open, if any.
   g. Any special recommendations or instructions.
3. Payments shall be withheld if reports are not up to date.

P. RFP EQUIPMENT LIST

Description	MFG	Model	Number of chillers	Location
Water-Cooled Chiller	Carrier	02XR-354MS64	1	West Side MS
Water-Cooled Chiller	Carrier	23XRV5051ERVR451	2	Wilby HS
Water-Cooled Chiller	Carrier	38AH-064-600 DA	1	Kennedy HS
Air-cooled chiller	Trane	Intellipak	6	Duggan
Air-cooled chiller	Trane	Precedent	3	Duggan
Air-Cooled Chiller	JCI/York	YVAA0273DUV46BAVN	1	Maloney Magnet
Air-Cooled Chiller	Trane	RTAC2754U1	1	Rotella Magnet
Air-Cooled Chiller	JCI/York	YYAA0278EUV46BA	1	Carrington ES

Air-Cooled Chiller	Trane	RTAC2254UVFNN1	1	Reed ES
Air-Cooled Chiller	JCI/York	YVAA0331	2	WAMS Magnet
Water-Cooled Chiller	Carrier	23XRV4142NQVAA51	2	Crosby HS
Air-Cooled Chiller	Trane	ASCEND	2	Wendell-Cross ES
Geothermal	Arctic chill	PWCCMV0300D4-MM		Waterbury Career academy
Air -cooled chiller	Trane	Intellipak	1	Gilmartin magnet
Air- cooled chiller	Trane	Voyager	4	Gilmartin magnet
Air -cooled chiller	JCI	YVAA0331	2	WAMS

END OF ATTACHMENT G

Prevailing Wages Packet

- PREVAILING WAGE LAW POSTER
- SECTION 31-53b
- INFORMATION BULLETIN- 10-HOUR OSHA COURSE
- NOTICE FOR ALL MASON CONTRACTORS
- CT GENERAL STATUTE 31-55a
- CONTRACTOR'S WAGE CERTIFICATION FORM
- PAYROLL CERTIFICATION
- INFORMATION BULLETIN – OCCUPATIONAL CLASSIFICATIONS
- FOOTNOTES
- PREVAILING WAGES FOR THIS PROJECT

PREVAILING WAGE BID PACKAGE

- Prevailing Wage Law Poster (PDF, 97KB)
- Section 31-53b: Construction safety and Health Course. Proof of completion required for employees on public building projects.
  - Informational Bulletin - The 10-Hour OSHA Construction Safety and Health Course (PDF, 20KB)
- Notice For All Mason Contractors (PDF, 5KB)
- CT General Statute 31-55a
- Contractor's Wage Certification Form (PDF, 11KB)
- Payroll Certification - Public Works Projects
- Information Bulletin - Occupational Classifications
- Footnotes (Rev. 07/19) (PDF)



Opportunity ⋆ Guidance ⋆ Support

CONNECTICUT DEPARTMENT OF LABOR

THIS IS A PUBLIC WORKS PROJECT

Covered by the

PREVAILING WAGE LAW

CT General Statutes Section 31-53

If you have QUESTIONS regarding your wages
CALL (860) 263-6790

Section 31-55 of the CT State Statutes requires every contractor or subcontractor performing work for the state to post in a prominent place the prevailing wages as determined by the Labor Commissioner.

Sec. 31-53b. Worker training requirements for public works projects. Enforcement. Regulations. Exceptions. (a) Each contract for a public works project entered into on or after July 1, 2009, by the state or any of its agents, or by any political subdivision of the state or any of its agents, described in subsection (h) of section 31-53, shall contain a provision requiring that each contractor furnish proof with the weekly certified payroll form for the first week each employee begins work on such project that any person performing the work of a mechanic, laborer or worker pursuant to the classifications of labor under section 31-53 on such public works project, pursuant to such contract, has completed a course of at least ten hours in duration in construction safety and health approved by the federal Occupational Safety and Health Administration or, has completed a new miner training program approved by the Federal Mine Safety and Health Administration in accordance with 30 CFR 46 or, in the case of telecommunications employees, has completed at least ten hours of training in accordance with 29 CFR 1910.268, and, on or after July 1, 2012, that any plumber or electrician subject to the continuing education requirements of section 20-334d, who has completed a course of at least ten hours in duration in construction safety and health approved by the federal Occupational Safety and Health Administration five or more years prior to the date such electrician or plumber begins work on such public works project, has completed a supplemental refresher training course of at least four hours in duration in construction safety and health taught by a federal Occupational Safety and Health Administration authorized trainer.

(b) Any person required to complete a course or program under subsection (a) of this section who has not completed the course or program shall be subject to removal from the worksite if the person does not provide documentation of having completed such course or program by the fifteenth day after the date the person is found to be in noncompliance. The Labor Commissioner or said commissioner's designee shall enforce this section.

(c) Not later than January 1, 2012, the Labor Commissioner shall adopt regulations, in accordance with the provisions of chapter 54, to implement the provisions of subsections (a) and (b) of this section. Such regulations shall require that the ten-hour construction safety and health courses required under subsection (a) of this section be conducted in accordance with federal Occupational Safety and Health Administration Training Institute standards, or, in the case of a supplemental refresher training course, shall include, but not be limited to, an update of revised Occupational Safety and Health Administration standards and a review of required construction hazards training, or in accordance with Federal Mine Safety and Health Administration Standards or in accordance with 29 CFR 1910.268, as appropriate. The Labor Commissioner shall accept as sufficient proof of compliance with the provisions of subsection (a) or (b) of this section a student course completion card issued by the federal Occupational Safety

and Health Administration Training Institute, or such other proof of compliance said commissioner deems appropriate, dated no earlier than five years before the commencement date of such public works project or, in the case of supplemental refresher training, a student course completion card issued by said Occupational Safety and Health Administration authorized trainer dated not earlier than five years prior to the date such electrician or plumber begins work on such public works project.

(d) This section shall not apply to employees of public service companies, as defined in section 16-1, or drivers of commercial motor vehicles driving the vehicle on the public works project and delivering or picking up cargo from public works projects provided they perform no labor relating to the project other than the loading and unloading of their cargo.

(P.A. 06-175, S. 1; P.A. 08-83, S. 1; P.A. 10-47, S. 2; P.A. 11-63, S. 1.)

History: P.A. 08-83 amended Subsec. (a) by making provisions applicable to public works project contracts entered into on or after July 1, 2009, replacing provision re total cost of work with reference to Sec. 31-53(g), requiring proof in certified payroll form that new mechanic, laborer or worker has completed a 10-hour or more construction safety course and adding provision re new miner training program, amended Subsec. (b) by substituting “person” for “employee” and adding “or program”, amended Subsec. (c) by adding “or in accordance with Federal Mine Safety and Health Administration Standards” and setting new deadline of January 1, 2009, deleted former Subsec. (d) re “public building”, added new Subsec. (d) re exemptions for public service company employees and delivery drivers who perform no labor other than delivery and made conforming and technical changes, effective January 1, 2009; P.A. 10-47 made a technical change in Subsec. (a); P.A. 11-63 amended Subsec. (a) by adding provision re supplemental refresher training course for plumbers and electricians subject to Sec. 20-334d, amended Subsec. (c) by adding provisions re regulations and subject matter of refresher training course and refresher training course student completion cards, and made technical changes, effective July 1, 2011.

Informational Bulletin

THE 10-HOUR OSHA CONSTRUCTION SAFETY AND HEALTH COURSE

(applicable to public building contracts entered into *on or after July 1, 2007,* where the total cost of all work to be performed is at least $100,000)

(1) This requirement was created by Public Act No. 06-175, which is codified in Section 31-53b of the Connecticut General Statutes (pertaining to the prevailing wage statutes);

(2) The course is required for public building construction contracts (projects funded in whole or in part by the state or any political subdivision of the state) entered into on or after July 1, 2007;

(3) It is required of private employees (not state or municipal employees) and apprentices who perform manual labor for a general contractor or subcontractor on a public building project where the total cost of all work to be performed is at least $100,000;

(4) The ten-hour construction course pertains to the ten-hour Outreach Course conducted in accordance with federal OSHA Training Institute standards, and, for telecommunications workers, a ten-hour training course conducted in accordance with federal OSHA standard, 29 CFR 1910.268;

(5) The internet website for the federal OSHA Training Institute is http://www.osha.gov/fso/ote/training/edcenters/fact_sheet.html;

(6) The statutory language leaves it to the contractor and its employees to determine who pays for the cost of the ten-hour Outreach Course;

(7) Within 30 days of receiving a contract award, a general contractor must furnish proof to the Labor Commissioner that all employees and apprentices performing manual labor on the project will have completed such a course;

(8) Proof of completion may be demonstrated through either: (a) the presentation of a *bona fide* student course completion card issued by the federal OSHA Training Institute; *or* (2) the presentation of documentation provided to an employee by a trainer certified by the Institute pending the actual issuance of the completion card;

(9) Any card with an issuance date more than 5 years prior to the commencement date of the construction project shall not constitute proof of compliance;

(10) Each employer shall affix a copy of the construction safety course completion card to the certified payroll submitted to the contracting agency in accordance with Conn. Gen. Stat. § 31-53(f) on which such employee's name first appears;

(11) Any employee found to be in non-compliance shall be subject to removal from the worksite if such employee does not provide satisfactory proof of course completion to the Labor Commissioner by the fifteenth day after the date the employee is determined to be in noncompliance;

(12) Any such employee who is determined to be in noncompliance may continue to work on a public building construction project for a maximum of fourteen consecutive calendar days while bringing his or her status into compliance;

(13) The Labor Commissioner may make complaint to the prosecuting authorities regarding any employer or agent of the employer, or officer or agent of the corporation who files a false certified payroll with respect to the status of an employee who is performing manual labor on a public building construction project;

(14) The statute provides the minimum standards required for the completion of a safety course by manual laborers on public construction contracts; any contractor can exceed these minimum requirements; and

(15) Regulations clarifying the statute are currently in the regulatory process, and shall be posted on the CTDOL website as soon as they are adopted in final form.

(16) Any questions regarding this statute may be directed to the Wage and Workplace Standards Division of the Connecticut Labor Department via the internet website of http://www.ctdol.state.ct.us/wgwkstnd/wgemenu.htm; or by telephone at (860)263-6790.

THE ABOVE INFORMATION IS PROVIDED EXCLUSIVELY AS AN EDUCATIONAL RESOURCE, AND IS NOT INTENDED AS A SUBSTITUTE FOR LEGAL INTERPRETATIONS WHICH MAY ULTMATELY ARISE CONCERNIG THE CONSTRUCTION OF THE STATUTE OR THE REGULATIONS.

November 29, 2006

Notice

To All Mason Contractors and Interested Parties Regarding Construction Pursuant to Section 31-53 of the Connecticut General Statutes (Prevailing Wage)

The Connecticut Labor Department Wage and Workplace Standards Division is empowered to enforce the prevailing wage rates on projects covered by the above referenced statute.

Over the past few years the Division has withheld enforcement of the rate in effect for workers who operate a forklift on a prevailing wage rate project due to a potential jurisdictional dispute.

The rate listed in the schedules and in our Occupational Bulletin (see enclosed) has been as follows:

Forklift Operator:

- **Laborers (Group 4) Mason Tenders** - operates forklift solely to assist a mason to a maximum height of nine feet only.

- **Power Equipment Operator (Group 9)** - operates forklift to assist any trade and to assist a mason to a height over nine feet.

The U.S. Labor Department conducted a survey of rates in Connecticut but it has not been published and the rate in effect remains as outlined in the above Occupational Bulletin.

Since this is a classification matter and not one of jurisdiction, effective January 1, 2007 the Connecticut Labor Department will enforce the rate on each schedule in accordance with our statutory authority.

Your cooperation in filing appropriate and accurate certified payrolls is appreciated.

Sec. 31-55a. Annual adjustments to wage rates by contractors doing state work. Each contractor that is awarded a contract on or after October 1, 2002, for (1) the construction of a state highway or bridge that falls under the provisions of section 31-54, or (2) the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project that falls under the provisions of section 31-53 shall contact the Labor Commissioner on or before July first of each year, for the duration of such contract, to ascertain the prevailing rate of wages on an hourly basis and the amount of payment or contributions paid or payable on behalf of each mechanic, laborer or worker employed upon the work contracted to be done, and shall make any necessary adjustments to such prevailing rate of wages and such payment or contributions paid or payable on behalf of each such employee, effective each July first.

(P.A. 02-69, S. 1.)

CONNECTICUT DEPARTMENT OF LABOR
WAGE AND WORKPLACE STANDARDS DIVISION

CONTRACTORS WAGE CERTIFICATION FORM

Construction Manager at Risk/General Contractor/Prime Contractor

I,_____ of _____
Officer, Owner, Authorized Rep. Company Name

do hereby certify that the _____
Company Name

_____
Street

_____
City

and all of its subcontractors will pay all workers on the

_____
Project Name and Number

_____
Street and City

the wages as listed in the schedule of prevailing rates required for such project (a copy of which is attached hereto).

_____
Signed

Subscribed and sworn to before me this _____ day of _____,_____.

_____
Notary Public

Return to:

Connecticut Department of Labor
Wage & Workplace Standards Division
200 Folly Brook Blvd.
Wethersfield, CT 06109

Rate Schedule Issued (Date): _____

[New] In accordance with Section 31-53b(a) of the C.G.S. each contractor shall provide a copy of the OSHA 10 Hour Construction Safety and Health Card for each employee, to be attached to the first certified payroll on the project.

In accordance with Connecticut General Statutes, 31-53
Certified Payrolls with a statement of compliance
shall be submitted monthly to the contracting agency.

PAYROLL CERTIFICATION FOR PUBLIC WORKS PROJECTS

WEEKLY PAYROLL

Connecticut Department of Labor
Wage and Workplace Standards Division
200 Folly Brook Blvd.
Wethersfield, CT 06109

CONTRACTOR NAME AND ADDRESS:	SUBCONTRACTOR NAME & ADDRESS	WORKER'S COMPENSATION INSURANCE CARRIER
		POLICY #
		EFFECTIVE DATE: EXPIRATION DATE:

PAYROLL NUMBER	Week-Ending Date	PROJECT NAME & ADDRESS

PERSON/WORKER, ADDRESS and SECTION	APPR RATE %	MALE/ FEMALE AND RACE*	WORK CLASSIFICATION Trade License Type & Number - OSHA 10 Certification Number	DAY AND DATE S	M	T	W	TH	F	S	Total ST Hours Total O/T Hours	BASE HOURLY RATE TOTAL FRINGE BENEFIT PLAN CASH	TYPE OF FRINGE BENEFITS Per Hour 1 through 6 (see back)	GROSS PAY FOR ALL WORK PERFORMED THIS WEEK	TOTAL DEDUCTIONS FICA	FEDERAL WITH-HOLDING	STATE WITH-HOLDING	LIST OTHER	GROSS PAY FOR THIS PREVAILING RATE JOB	CHECK # AND NET PAY
				HOURS WORKED EACH DAY								$ Base Rate $ Cash Fringe	1. $ 2. $ 3. $ 4. $ 5. $ 6. $							
												$ Base Rate $ Cash Fringe	1. $ 2. $ 3. $ 4. $ 5. $ 6. $							
												$ Base Rate $ Cash Fringe	1. $ 2. $ 3. $ 4. $ 5. $ 6. $							
												$ Base Rate $ Cash Fringe	1. $ 2. $ 3. $ 4. $ 5. $ 6. $							

12/9/2013
WWS-CP1

*IF REQUIRED

*SEE REVERSE SIDE

PAGE NUMBER _____OF

OSHA 10 ~ATTACH CARD TO 1ST CERTIFIED PAYROLL

***FRINGE BENEFITS EXPLANATION (P):**

Bona fide benefits paid to approved plans, funds or programs, except those required by Federal or State Law (unemployment tax, worker's compensation, income taxes, etc.).

Please specify the type of benefits provided:

1) Medical or hospital care _____ 4) Disability_____

2) Pension or retirement _____ 5) Vacation, holiday_____

3) Life Insurance _____ 6) Other (please specify) _____

CERTIFIED STATEMENT OF COMPLIANCE

For the week ending date of _____,

I, _____of _____, (hereafter known as

Employer) in my capacity as _____ (title) do hereby certify and state:

Section A:

1. All persons employed on said project have been paid the full weekly wages earned by them during the week in accordance with Connecticut General Statutes, section 31-53, as amended. Further, I hereby certify and state the following:

a) The records submitted are true and accurate;

b) The rate of wages paid to each mechanic, laborer or workman and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as defined in Connecticut General Statutes, section 31-53 (h), are not less than the prevailing rate of wages and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as determined by the Labor Commissioner pursuant to subsection Connecticut General Statutes, section 31-53 (d), and said wages and benefits are not less than those which may also be required by contract;

c) The Employer has complied with all of the provisions in Connecticut General Statutes, section 31-53 (and Section 31-54 if applicable for state highway construction);

d) Each such person is covered by a worker's compensation insurance policy for the duration of his employment which proof of coverage has been provided to the contracting agency;

e) The Employer does not receive kickbacks, which means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided directly or indirectly, to any prime contractor, prime contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a prime contractor in connection with a subcontractor relating to a prime contractor; and

f) The Employer is aware that filing a certified payroll which he knows to be false is a class D felony for which the employer may be fined up to five thousand dollars, imprisoned for up to five years or both.

2. OSHA~The employer shall affix a copy of the construction safety course, program or training completion document to the certified payroll required to be submitted to the contracting agency for this project on which such persons name first appears.

_____ _____ _____

(Signature) (Title) Submitted on (Date)

*****THIS IS A PUBLIC DOCUMENT*****
*****DO NOT INCLUDE SOCIAL SECURITY NUMBERS*****

Weekly Payroll Certification For Public Works Projects (Continued)

PAYROLL CERTIFICATION FOR PUBLIC WORKS PROJECTS

Week-Ending Date:

Contractor or Subcontractor Business Name:

WEEKLY PAYROLL

PERSON/WORKER, ADDRESS and SECTION	APPR RATE %	MALE/ FEMALE AND RACE*	WORK CLASSIFICATION Trade License Type & Number - OSHA 10 Certification Number	DAY AND DATE S	M	T	W	TH	F	S HOURS WORKED EACH DAY	Total ST Hours Total O/T Hours	BASE HOURLY RATE TOTAL FRINGE BENEFIT PLAN CASH	TYPE OF FRINGE BENEFITS Per Hour 1 through 6 (see back)	GROSS PAY FOR ALL WORK PERFORMED THIS WEEK	TOTAL DEDUCTIONS FICA	FEDERAL WITH-HOLDING	STATE WITH-HOLDING	OTHER	GROSS PAY FOR THIS PREVAILING RATE JOB	CHECK # AND NET PAY
												$ Base Rate	1. $ 2. $ 3. $							
												$ Cash Fringe	4. $ 5. $ 6. $							
												$ Base Rate	1. $ 2. $ 3. $							
												$ Cash Fringe	4. $ 5. $ 6. $							
												$ Base Rate	1. $ 2. $ 3. $							
												$ Cash Fringe	4. $ 5. $ 6. $							
												$ Base Rate	1. $ 2. $ 3. $							
												$ Cash Fringe	4. $ 5. $ 6. $							
												$ Base Rate	1. $ 2. $ 3. $							
												$ Cash Fringe	4. $ 5. $ 6. $							

*IF REQUIRED

Information Bulletin
Occupational Classifications

The Connecticut Department of Labor has the responsibility to properly determine *"job classification"* on prevailing wage projects covered under C.G.S. Section 31-53(d).

Note: This information is intended to provide a sample of some occupational classifications for guidance purposes only. It is not an all-inclusive list of each occupation's duties. This list is being provided only to highlight some areas where a contractor may be unclear regarding the proper classification. If unsure, the employer should seek guidelines for CTDOL.

Below are additional clarifications of specific job duties performed for certain classifications:

- ***ASBESTOS WORKERS***

Applies all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems.

- ***ASBESTOS INSULATOR***

Handle, install apply, fabricate, distribute, prepare, alter, repair, dismantle, heat and frost insulation, including penetration and fire stopping work on all penetration fire stop systems.

- ***BOILERMAKERS***

Erects hydro plants, incomplete vessels, steel stacks, storage tanks for water, fuel, etc. Builds incomplete boilers, repairs heat exchanges and steam generators.

- ***BRICKLAYERS, CEMENT MASONS, CEMENT FINISHERS, MARBLE MASONS, PLASTERERS, STONE MASONS, PLASTERERS. STONE MASONS, TERRAZZO WORKERS, TILE SETTERS***

Lays building materials such as brick, structural tile and concrete cinder, glass, gypsum, terra cotta block. Cuts, tools and sets marble, sets stone, finishes concrete, applies decorative steel, aluminum and plastic tile, applies cements, sand, pigment and marble chips to floors, stairways, etc.

- ***CARPENTERS, MILLWRIGHTS. PILEDRIVERMEN. LATHERS. RESILEINT FLOOR LAYERS, DOCK BUILDERS, DIKERS, DIVER TENDERS***

Constructs, erects, installs and repairs structures and fixtures of wood, plywood and wallboard. Installs, assembles, dismantles, moves industrial machinery. Drives piling into ground to provide foundations for structures such as buildings and bridges, retaining walls for earth embankments, such as cofferdams. Fastens wooden, metal or rockboard lath to walls, ceilings and partitions of buildings, acoustical tile layer, concrete form builder. Applies firestopping materials on fire resistive joint systems only. Installation of curtain/window walls only where attached to wood or metal studs. Installation of insulated material of all types whether blown, nailed or attached in other ways to walls, ceilings and floors of buildings. Assembly and installation of modular furniture/furniture systems. Free-standing furniture is not covered. This includes free standing: student chairs, study top desks, book box desks, computer furniture, dictionary stand, atlas stand, wood shelving, two-position information access station, file cabinets, storage cabinets, tables, etc.

- **LABORER, CLEANING**

• The clean up of any construction debris and the general (heavy/light) cleaning, including sweeping, wash down, mopping, wiping of the construction facility and its furniture, washing, polishing, and dusting.

- **DELIVERY PERSONNEL**

• If delivery of supplies/building materials is to one common point and stockpiled there, prevailing wages are not required. If the delivery personnel are involved in the distribution of the material to multiple locations within the construction site then they would have to be paid prevailing wages for the type of work performed: laborer, equipment operator, electrician, ironworker, plumber, etc.

• An example of this would be where delivery of drywall is made to a building and the delivery personnel distribute the drywall from one "stockpile" location to further sub-locations on each floor. Distribution of material around a construction site is the job of a laborer or tradesman, and not a delivery personnel.

- ***ELECTRICIANS***

Install, erect, maintenance, alteration or repair of any wire, cable, conduit, etc., which generates, transforms, transmits or uses electrical energy for light, heat, power or other purposes, including the Installation or maintenance of telecommunication, LAN wiring or computer equipment, and low voltage wiring. ****License required per Connecticut General Statutes: E-1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9.***

- ***ELEVATOR CONSTRUCTORS***

Install, erect, maintenance and repair of all types of elevators, escalators, dumb waiters and moving walks. ****License required by Connecticut General Statutes: R-1,2,5,6.***

- ***FORK LIFT OPERATOR***

Laborers Group 4) Mason Tenders - operates forklift solely to assist a mason to a maximum height of nine (9) feet only.

Power Equipment Operator Group 9 - operates forklift to assist any trade, and to assist a mason to a height over nine (9) feet.

- ***GLAZIERS***

Glazing wood and metal sash, doors, partitions, and 2 story aluminum storefronts. Installs glass windows, skylights, store fronts and display cases or surfaces such as building fronts, interior walls, ceilings and table tops and metal store fronts. Installation of aluminum window walls and curtain walls is the "joint" work of glaziers and ironworkers, which require equal composite workforce.

- ***IRONWORKERS***

Erection, installation and placement of structural steel, precast concrete, miscellaneous iron, ornamental iron, metal curtain wall, rigging and reinforcing steel. Handling, sorting, and installation of reinforcing steel (rebar). Metal bridge rail (traffic), metal bridge handrail, and decorative security fence installation. Installation of aluminum window walls and curtain walls is the "joint" work of glaziers and ironworkers which require equal composite workforce.

- ***INSULATOR***

• Installing fire stopping systems/materials for "Penetration Firestop Systems": transit to cables, electrical conduits, insulated pipes, sprinkler pipe penetrations, ductwork behind radiation, electrical cable trays, fire rated pipe penetrations, natural polypropylene, HVAC ducts, plumbing bare metal, telephone and communication wires, and boiler room ceilings.

- ***LABORERS***

Acetylene burners, asphalt rakers, chain saw operators, concrete and power buggy operator, concrete saw operator, fence and guard rail erector (except metal bridge rail (traffic), decorative security fence (non-metal).

installation.), hand operated concrete vibrator operator, mason tenders, pipelayers (installation of storm drainage or sewage lines on the street only), pneumatic drill operator, pneumatic gas and electric drill operator, powermen and wagon drill operator, air track operator, block paver, curb setters, blasters, concrete spreaders.

- ***PAINTERS***

Maintenance, preparation, cleaning, blasting (water and sand, etc.), painting or application of any protective coatings of every description on all bridges and appurtenances of highways, roadways, and railroads. Painting, decorating, hardwood finishing, paper hanging, sign writing, scenic art work and drywall hhg for any and all types of building and residential work.

- ***LEAD PAINT REMOVAL***

• Painter's Rate
1. Removal of lead paint from bridges.
2. Removal of lead paint as preparation of any surface to be repainted.
3. Where removal is on a Demolition project prior to reconstruction.

• Laborer's Rate
1. Removal of lead paint from any surface NOT to be repainted.
2. Where removal is on a *TOTAL* Demolition project only.

- ***PLUMBERS AND PIPEFITTERS***

Installation, repair, replacement, alteration or maintenance of all plumbing, heating, cooling and piping. ****License required per Connecticut General Statutes: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2 S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4.***

- ***POWER EQUIPMENT OPERATORS***

Operates several types of power construction equipment such as compressors, pumps, hoists, derricks, cranes, shovels, tractors, scrapers or motor graders, etc. Repairs and maintains equipment. ****License required, crane operators only, per Connecticut General Statutes.***

- ***ROOFERS***

Covers roofs with composition shingles or sheets, wood shingles, slate or asphalt and gravel to waterproof roofs, including preparation of surface. (demolition or removal of any type of roofing and or clean-up of any and all areas where a roof is to be relaid.)

- ***SHEETMETAL WORKERS***

Fabricate, assembles, installs and repairs sheetmetal products and equipment in such areas as ventilation, air-conditioning, warm air heating, restaurant equipment, architectural sheet metal work, sheetmetal roofing, and aluminum gutters. Fabrication, handling, assembling, erecting, altering, repairing, etc. of coated metal material panels and composite metal material panels when used on building exteriors and interiors as soffits, facia, louvers, partitions, canopies, cornice, column covers, awnings, beam covers, cladding, sun shades, lighting troughs, spires, ornamental roofing, metal ceilings, mansards, copings, ornamental and ventilation hoods, vertical and horizontal siding panels, trim, etc. The sheet metal classification also applies to the vast variety of coated metal material panels and composite metal material panels that have evolved over the years as an alternative to conventional ferrous and non-ferrous metals like steel, iron, tin, copper, brass, bronze, aluminum, etc. Fabrication, handling, assembling, erecting, altering, repairing, etc. of architectural metal roof, standing seam roof, composite metal roof, metal and composite bathroom/toilet partitions, aluminum gutters, metal and composite lockers and shelving, kitchen equipment, and walk-in coolers. To include testing and air –balancing ancillary to installation and construction.

- ***SPRINKLER FITTERS***

Installation, alteration, maintenance and repair of fire protection sprinkler systems. ****License required per Connecticut General Statutes: F-1,2,3,4.***

- ***TILE MARBLE AND TERRAZZO FINISHERS***

Assists and tends the tile setter, marble mason and terrazzo worker in the performance of their duties.

- **TRUCK DRIVERS**

~How to pay truck drivers delivering asphalt is under REVISION~

Truck Drivers are requires to be paid prevailing wage for time spent "working" directly on the site. These drivers remain covered by the prevailing wage for any time spent transporting between the actual construction location and facilities (such as fabrication, plants, mobile factories, batch plant, borrow pits, job headquarters, tool yards, etc.) dedicated exclusively, or nearly so, to performance of the contract or project, which are so located in proximity to the actual construction location that it is reasonable to include them. ****License required, drivers only, per Connecticut General Statutes.***

For example:

• Material men and deliverymen are not covered under prevailing wage as long as they are not directly involved in the construction process. If, they unload the material, they would then be covered by prevailing wage for the classification they are performing work in: laborer, equipment operator, etc.
• Hauling material off site is not covered provided they are not dumping it at a location outlined above.
• Driving a truck on site and moving equipment or materials on site would be considered covered work, as this is part of the construction process.

➢ *Any questions regarding the proper classification should be directed to:*
Public Contract Compliance Unit
Wage and Workplace Standards Division
Connecticut Department of Labor
200 Folly Brook Blvd, Wethersfield, CT 06109
(860) 263-6790.

Connecticut Department of Labor
Wage and Workplace Standards Division
FOOTNOTES

⇨ Please Note: If the "Benefits" listed on the schedule for the following occupations includes a letter(s) (+ a or + a+b for instance), refer to the information below.

Benefits to be paid at the appropriate prevailing wage rate for the listed occupation.

If the "Benefits" section for the occupation lists only a dollar amount, disregard the information below.

Bricklayers, Cement Masons, Cement Finishers, Concrete Finishers, Stone Masons
(Building Construction) and
(Residential- Hartford, Middlesex, New Haven, New London and Tolland Counties)

a. Paid Holiday: Employees shall receive 4 hours for Christmas Eve holiday provided the employee works the regularly scheduled day before and after the holiday. Employers may schedule work on Christmas Eve and employees shall receive pay for actual hours worked in addition to holiday pay.

Elevator Constructors: Mechanics

a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day, plus the Friday after Thanksgiving.

b. Vacation: Employer contributes 8% of basic hourly rate for 5 years or more of service or 6% of basic hourly rate for 6 months to 5 years of service as vacation pay credit.

Glaziers

a. Paid Holidays: Labor Day and Christmas Day.

Power Equipment Operators
(Heavy and Highway Construction & Building Construction)

a. Paid Holidays: New Year's Day, Good Friday, Memorial day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, provided the employee works 3 days during the week in which the holiday falls, if scheduled, and if scheduled, the working day before and the working day after the holiday. Holidays falling on Saturday may be observed on Saturday, or if the employer so elects, on the preceding Friday.

Ironworkers

a. Paid Holiday: Labor Day provided employee has been on the payroll for the 5 consecutive work days prior to Labor Day.

Laborers (Tunnel Construction)

a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. No employee shall be eligible for holiday pay when he fails, without cause, to work the regular work day preceding the holiday or the regular work day following the holiday.

Roofers

a. Paid Holidays: July 4th, Labor Day, and Christmas Day provided the employee is employed 15 days prior to the holiday.

Sprinkler Fitters

a. Paid Holidays: Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day, provided the employee has been in the employment of a contractor 20 working days prior to any such paid holiday.

Truck Drivers

(Heavy and Highway Construction & Building Construction)

a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas day, and Good Friday, provided the employee has at least 31 calendar days of service and works the last scheduled day before and the first scheduled day after the holiday, unless excused.

Minimum Rates and Classifications
for Building Construction

ID#: 24-60242

Connecticut Department of Labor
Wage and Workplace Standards

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number:
Project Town: Waterbury
State#:
FAP#:
Project: Chiller Maintenance Services

CLASSIFICATION	Hourly Rate	Benefits
1b) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters.**See Laborers Group 7**		
1c) Asbestos Worker/Heat and Frost Insulator	45.56	32.65
2) Boilermaker	46.21	29.35
3a) Bricklayer, Cement Mason, Concrete Finisher (including caulking), Stone Masons	41.11	34.65 + a
3b) Tile Setter	37.1	30.52
3c) Tile and Stone Finishers	30.0	25.30
3d) Marble & Terrazzo Finishers	31.07	24.23
3e) Plasterer	42.77	29.63

As of: May 2, 2024

------LABORERS------

4) Group 1: General laborers, carpenter tenders, concrete specialists, wrecking laborers and fire watchers.	34.5	27.26
4) Group 1a: Acetylene Burners (Hours worked with a torch)	35.5	27.26
4a) Group 2: Mortar mixers, plaster tender, power buggy operators, powdermen, fireproofer/mixer/nozzleman (Person running mixer and spraying fireproof only).	34.75	27.26
4b) Group 3: Jackhammer operators/pavement breaker, mason tender (brick), mason tender (cement/concrete), forklift operators and forklift operators (masonry).	35.0	27.26
4c) **Group 4: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license) (the pipelayer rate shall apply only to one or two employees of the total crew who primary task is to actually perform the mating of pipe sections) P6 and P7 rate is $26.80.	35.5	27.26
4d) Group 5: Air track operator, sand blaster and hydraulic drills.	35.25	27.26
4e) Group 6: Blasters, nuclear and toxic waste removal.	37.5	27.26
4f) Group 7: Asbestos/lead removal and encapsulation (except it's removal from mechanical systems which are not to be scrapped).	37.5	27.26
4g) Group 8: Bottom men on open air caisson, cylindrical work and boring crew.	35.0	27.26
4h) Group 9: Top men on open air caisson, cylindrical work and boring crew.	34.5	27.26
4i) Group 10: Traffic Control Signalman	20.7	27.26

As of: May 2, 2024

4j) Group 11: Toxic Waste Removers A or B With PPE	37.5	27.26
5) Carpenter, Acoustical Ceiling Installation, Soft Floor/Carpet Laying, Metal Stud Installation, Form Work and Scaffold Building, Drywall Hanging, Modular-Furniture Systems Installers, Lathers, Piledrivers, Resilient Floor Layers.	37.61	27.61
5a) Millwrights	40.56	28.87
6) Electrical Worker (including low voltage wiring) (Trade License required: E1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	43.4	32.07+3% of gross wage
7a) Elevator Mechanic (Trade License required: R-1,2,5,6)	64.01	39.19+a+b
-----LINE CONSTRUCTION----		
Groundman	26.5	6.5% + 9.00
Linemen/Cable Splicer	48.19	6.5% + 22.00
8) Glazier (Trade License required: FG-1,2)	41.18	24.55 + a
9) Ironworker, Ornamental, Reinforcing, Structural, and Precast Concrete Erection	42.37	40.02 + a
----OPERATORS----		
Group 1: Crane Handling or Erecting Structural Steel or Stone; Hoisting Engineer (2 drums or over). (Trade License Required)	55.42	28.80 + a
Group 1a: Front End Loader (7 cubic yards or over); Work Boat 26 ft. and Over	50.79	28.80 + a

As of: May 2, 2024

Group 2: Cranes (100 ton rate capacity and over); Bauer Drill/Caisson. (Trade License Required)	55.03	28.80 + a
Group 2a: Cranes (under 100 ton rated capacity).	54.09	28.80 + a
Group 2b: Excavator over 2 cubic yards; Pile Driver ($3.00 premium when operator controls hammer)	50.4	28.80 + a
Group 3: Excavator; Gradall; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar);Grader Operator; Bulldozer Finegrade. (slopes, shaping, laser or GPS, etc.). (Trade License Required)	49.45	28.80 + a
Group 4: Trenching Machines; Lighter Derrick; CMI Machine or Similar; Koehring Loader (Skooper); Goldhofer.	48.97	28.80 + a
Group 5: Specialty Railroad Equipment; Asphalt Spreader, Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24 mandrel).	48.22	28.80 + a
Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller.	48.22	28.80 + a
Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	47.83	28.80 + a
Group 7: Asphalt Roller; Concrete Saws and Cutters (ride on types); Vermeer Concrete Cutter; Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and under mandrel).	47.4	28.80 + a
Group 8: Mechanic; Grease Truck Operator; Hydroblaster; Barrier Mover; Power Stone Spreader; Welding; Work Boat Under 26 ft.; Transfer Machine; Rigger Foreman.	46.9	28.80 + a
Group 9: Front End Loader (under 3 cubic yards); Skid Steer Loader regardless of attachments; (Bobcat or Similar); Forklift, Power Chipper; Landscape Equipment (including Hydroseeder); Vacuum Excavation	46.35	28.80 + a

As of: May 2, 2024

Truck and Hydrovac Excavation Truck (27 HG pressure or greater).		
Group 10: Vibratory hammer; ice machine; diesel and air, hammer, etc.	43.77	28.80 + a
Group 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.	43.77	28.80 + a
Group 12: Wellpoint Operator.	43.69	28.80 + a
Group 13: Compressor Battery Operator.	42.97	28.80 + a
Group 14: Elevator Operator; Tow Motor Operator (solid tire no rough terrain).	41.52	28.80 + a
Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	41.01	28.80 + a
Group 16: Maintenance Engineer.	40.19	28.80 + a
Group 17: Portable Asphalt Plant Operator; Portable Crusher Plant Operator; Portable Concrete Plant Operator; Portable Grout Plant Operator; Portable Water Filtration Plant Operator.	45.63	28.80 + a
Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (Minimum for any job requiring a CDL license); Rigger; Signalman.	42.57	28.80 + a
Surveyor: Chief of Party	45.87	28.80 + a
Surveyor: Assistant Chief of Party	42.3	28.80 + a
Surveyor: Instrument Man	40.7	28.80 + a

As of: May 2, 2024

Surveyor: Rodman or Chainman	35.03	28.80 + a
------PAINTERS (Including Drywall Finishing)------		
10a) Brush and Roller	37.62	24.55
10b) Taping Only/Drywall Finishing	38.37	24.55
10c) Paperhanger and Red Label	38.12	24.55
10e) Blast and Spray	40.62	24.55
11) Plumber (excluding HVAC pipe installation) (Trade License required: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2)	48.28	35.50
12) Well Digger, Pile Testing Machine	37.26	24.05 + a
Roofer: Cole Tar Pitch	44.5	23.30 + a
Roofer: Slate, Tile, Composition, Shingles, Singly Ply and Damp/Waterproofing	43.0	23.30 + a
15) Sheetmetal Worker (Trade License required for HVAC and Ductwork: SM-1,SM-2,SM-3,SM-4,SM-5,SM-6)	41.89	43.22
16) Pipefitter (Including HVAC work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4, G-1, G-2, G-8 & G-9)	48.28	35.50
------TRUCK DRIVERS------		
17a) 2 Axle, Helpers	33.16	32.36 + a

17b) 3 Axle, 2 Axle Ready Mix	33.27	32.36 + a
17c) 3 Axle Ready Mix	33.33	32.36 + a
17d) 4 Axle	33.39	32.36 + a
17e) 4 Axle Ready Mix	33.44	32.36 + a
17f) Heavy Duty Trailer (40 Tons and Over)	35.66	32.36 + a
17g) Specialized Earth Moving Equipment (Other Than Conventional Type on-the-Road Trucks and Semi-Trailers, Including Euclids)	33.44	32.36 + a
17h) Heavy Duty Trailer up to 40 tons	34.39	32.36 + a
17i) Snorkle Truck	33.54	32.36 + a
18) Sprinkler Fitter (Trade License required: F-1,2,3,4)	47.55	32.27 + a
19) Theatrical Stage Journeyman	25.76	7.34

Welders: Rate for craft to which welding is incidental.

**Note: Hazardous waste removal work receives additional $1.25 per hour for truck drivers.*

***Note: Hazardous waste premium $3.00 per hour over classified rate*

Crane with 150 ft. boom (including jib) - $1.50 extra
Crane with 200 ft. boom (including jib) - $2.50 extra
Crane with 250 ft. boom (including jib) - $5.00 extra
Crane with 300 ft. boom (including jib) - $7.00 extra
Crane with 400 ft. boom (including jib) - $10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyperson instructing and supervising the work of each apprentice in a specific trade.

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.
Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.
It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.
The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol. For those without internet access, please contact the division listed below.
The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.
All subsequent annual adjustments will be posted on our Web Site for contractor access.
Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of: May 2, 2024

As of: May 2, 2024

GOOD JOBS ORDINANCE

CHAPTER 34: CITY POLICY

Section

General Provisions

34.01 Lost articles; state law adopted

Hiring of Waterbury Residents on Certain Publicly-Funded Construction Projects

34.10 Title
34.15 Purpose
34.16 Findings
34.17 Definitions
34.18 Hiring goal and implementation
34.19 Referral mechanism
34.20 Monitoring
34.21 Good faith efforts
34.22 Contract requirements for covered services

Cross-reference:

Centralized procurement system, see Ch. 38
Interlocal agreements, see Ch. 40

Statutory reference:

Advertising; sale of perishable goods, see Conn. Gen. Stat. § 50-11
Disposition after expiration of time for making claim, see Conn. Gen. Stat. § 50-14
Duties of finder, see Conn. Gen. Stat. § 50-10
Lost and unclaimed property, see Conn. Gen. Stat. Ch. 859
Procedure if unclaimed, see Conn. Gen. Stat. § 50-13
Restoration to owner if claimed, see Conn. Gen. Stat. § 50-12

GENERAL PROVISIONS

§ 34.01 LOST ARTICLES; STATE LAW ADOPTED.

The provisions of Conn. Gen. Stat. §§ 50-10 through 50-14 are adopted as permitted by Conn. Gen. Stat. § 50-9 and shall apply within the city to the finding of any article of the value of $1 or more. (1967 Code, § 13-11)

Hiring of Waterbury Residents on Certain Publicly-Funded Construction Projects

§ 34.10 TITLE.

The City of Waterbury Code of Ordinances §§ 34.10 through 34.22 entitled “Hiring of Waterbury Residents on Certain Publicly-Funded Construction Projects” shall also be known and may be cited as the “Good Jobs Ordinance” for the City.

(Ord. passed 5-13-2015)

§ 34.15 PURPOSE.

The purpose of this subchapter is to increase the benefit to the City of Waterbury and its residents from the city’s investment of public funds in certain publicly-funded construction projects to allow the city to recognize, as a benefit of such investment, a reduction in the amount of poverty and unemployment that would otherwise exist amongst its residents and also to help reduce the economic burden that would otherwise be placed on the city in having to provide alternative assistance to those residents who, but for their being hired pursuant to the provisions of this ordinance, would remain unemployed.

(Ord. passed 2-21-2012)

§ 34.16 FINDINGS.

The City of Waterbury finds that a substantial number of city residents are not being employed by contractors performing work on publicly-funded construction projects in the City of Waterbury and that the residents, therefor, are not receiving the maximum possible benefit from the City of Waterbury’s investment of public funds in the projects. The city further finds that:

(A) Recent research of hiring patterns on construction projects reveals a pattern of low hiring of residents in favor of nonresidents whose hiring is draining significant resources from the city.

(1) Only 14% of work hours performed on the construction of the $138,000,000 waste water treatment plant in 1998 - 1999 were performed by residents;

(2) Only 10% of laborers hours on city street paving in 1999 were performed by residents;

(3) With an average wage of $21 per hour on tax-funded city construction work as exemplified by the waste water treatment plant construction project, more than $13,000,000 in wages was lost by city residents on that project. Due to typical turnover of those funds among businesses

in the community, $13,000,000 - $26,000,000 of additional economic activity from the multiplier affect was lost to city businesses;

(4) As a result of the high percentage of noncity residents on construction projects, fewer Waterbury residents are able to be home owners, thus reducing property taxes to the city. For each resident who loses the opportunity to be a home owner, the city loses an estimated $2,000 in revenue per year.

(5) The migration of benefits caused by the high percentage of noncity residents on construction projects increases the burden on health care providers to provide uncompensated care to Waterbury residents without health insurance. Over the course of the waste water treatment plant project alone, for example, $5,000,000 in health and pension benefits were lost to city residents. If this subchapter were minimally met, it would double the wages and benefits going to city residents; and

(6) The extra cost to tax payers of the under-usage of apprentices on the project compared to what is permissible under state law is estimated at close to $1,000,000.

(B) Waterbury residents face higher rates of unemployment than other towns and cities in the region and state.

(1) The unemployment rate among construction workers who are residents of the city is 50% higher than the statewide unemployment rate among construction workers, and more than double the unemployment rate among construction workers in similarly-sized cities. For example, the Connecticut Department of Labor reports that in September 1999, 324 city residents applied for construction jobs at unemployment offices out of a total construction workforce of 3,600 (9%). Statewide, 3,908 applicants applied out of a total construction labor force of 63,800 (6%). In Danbury, 166 city residents applied out of a total construction workforce of 4,100 (4%).

(2) Since 1984 the city’s unemployment rate has been consistently higher than the rate of unemployment in the Naugatuck Valley region and the state. Unemployment is especially severe in some neighborhoods, which faced up to 19% unemployment, compared to the city’s 8% unemployment in the 1990 Census.

(C) Poverty is much greater and incomes are much lower in Waterbury than elsewhere in the region and state.

(1) According to the 1990 Census, 12.1% of the city’s residents lived below the poverty level, compared to 2.7% in the rest of the region and 6.8% statewide.

(2) Median 1990 household income was $30,533 in Waterbury compared to $41,721 for the state, and compared to $45,000 - $67,500 for towns in the rest of the Naugatuck Valley region. Estimates updating this data to 1997 show little change. Residents on average earn $10,000 less per capita than the statewide average of $28,000.

(3) Poverty is even more pronounced in some neighborhoods with up to 30% of their residents in poverty.

(4) The average wage for residents coming off of welfare in the city is one of the lowest in the State of Connecticut at $5.93 per hour.

(5) Over one-third of female headed households are under poverty.

(6) City children are among the poorest in the State of Connecticut, 61% of students city-wide are eligible for reduced price meals versus 25% statewide.

(Ord. passed 2-21-2012)

§ 34.17 DEFINITIONS.

For the purpose of this subchapter, the following definitions shall apply unless the context clearly indicates or requires a different meaning.

ADMINISTRATOR. The person(s), city department or agency designated by the Mayor of the city with the responsibility of overseeing the implementation and enforcement of this subchapter.

APPRENTICE. Definition as set forth in Conn. Gen. Stat. § 31-22m and any subsequent amendments approved by the Connecticut General Assembly is incorporated by reference herein.

BASIC SKILLED WORKER. A person who is currently enrolled in or having completed a training program administered by or on behalf of a legally organized labor union or a state-approved standardized craft training program. Specifically excluded from this definition is an APPRENTICE as defined by Conn. Gen. Stat. § 31-22m.

CITY. The City of Waterbury, Connecticut.

CITY FUNDS. Funds originating within the city pursuant to the city's taxing powers or authority to raise money through the sale of public bonds, permit tax abatements and enter into tax fixing agreements and tax increment financing agreements.

CONSTRUCTION. The process of building, altering, repairing, improving or demolishing any public infrastructure facility, including any public structure, public building or other public improvements of any kind to city property or other property or space in which the city has an interest. It does not include the routine operation, routine repair or routine maintenance of any existing public infrastructure facility, including structures, buildings or real property.

CONSTRUCTION PROJECT. Any project for which the primary purpose involves construction, as defined above, deconstruction, the remediation of any hazardous materials as defined in the Connecticut General Statutes, the rehabilitation or renovation of any structure or the creation, extension, reconstruction, reconditioning or rebuilding of any portion of a municipal infrastructure or public utility system.

CONTRACTOR. Any person hired by the city, directly or indirectly through an owner, to perform construction work on covered projects.

COVERED PROJECT. Any construction project taking place in the city with a value of $500,000 or greater, funded in whole or in part by city funds or funds administered by the city in accordance with federal or state grant or loan programs or any other federal or state programs. This definition of ***COVERED PROJECT*** shall include funds derived from the aforementioned federal or state grant, loan or other programs only to the extent permitted by federal and state law. The value of the projects shall equal the total consideration to be paid to all contractors stated in each contract pursuant to which contractors are performing construction work on covered projects.

FIRST-SOURCE REFERRAL PROGRAM. A program whose purpose includes but is not limited to, job training and the referral of qualified residents to contractors. The ***FIRST-SOURCE REFERRAL PROGRAM*** shall use the Good Jobs umbrella coalition of community groups and churches as a priority source for recruitment.

GOOD JOBS ADMINISTRATION BUDGET. The amount of funding required to oversee the implementation and enforcement of this subchapter in a given fiscal year.

HIRING GOAL. The 30% of the total worker hours on each covered project shall be performed by residents. At least 25% of construction trade jobs shall go to apprentices and/or basic skilled workers. At least 70% of all "new hires" (those workers hired by a contractor on a project, other

than existing employees and those referred by union hiring halls with prior seniority in the case of a union job) shall be "economically disadvantaged" individuals, defined as those earning less than 150% of the poverty line at the time of application. A minimum of 5% of the construction workforce labor hours will be local resident, minority artisans. A minimum of 5% of the construction workforce labor hours will be women. A minimum of 10% of the total work hours shall be allocated for minorities. Contractors are expected to employ a workforce that represents the population of the city.

LIAISON COMMITTEE. The committee established by the Board of Aldermen to monitor compliance with the provisions of this subchapter, and make recommendations to the Administrator and the Board of Aldermen regarding administration of this subchapter. The committee shall convene at a minimum of once every quarter in a space open to the public. The committee shall be comprised of two representatives of the Board of Aldermen one to be appointed by the President of the Board of Aldermen and one to be appointed by the Minority Leader on the Board of Aldermen, one representative from the Board of Education to be appointed by the President of the Board of Education, one representative of the Workforce Development Board, and five representatives who are appointed by the Board of Aldermen to represent: one contractor, one union, one civil rights group, one community and one Human Rights Commission. The committee members shall serve for a term of two years, and this nomination and selection process shall be used to fill any vacancy.

NEW HIRE. Those workers hired by a contractor on a project, other than existing employees, and those referred by union hiring halls with prior seniority in the case of a union job.

OWNER. The person who enters into a contract with a contractor for work on a covered project other than the city.

PERSON. An individual or a company, partnership, foreign or domestic corporation, partnership, limited liability company or other business entity.

RESIDENT. Any person whose domicile is the City of Waterbury, Connecticut.

ROUTINE MAINTENANCE. Simple, small-scale activities (usually requiring only minimal skills or training) planned and performed at regular intervals and being necessary to (1) extend the life of, or to delay or prevent the premature failure of, any plant or system or of any structure or structural system, building component or equipment; or (2) protect against normal wear and tear; or (3) maintain a suitable aesthetic appearance. Examples of ROUTINE MAINTENANCE may include, but are not limited to, lawn or grass cutting, hedge trimming, painting, caulking, sealing, plumbing or electrical repairs, carpet cleaning or other cleaning performed at regular intervals.

SUBCONTRACTOR. Any person hired by a contractor to perform construction work on covered projects.

(Ord. passed 2-21-2012; Ord. passed 8-19-2013; Ord. passed 5-13-2015)

§ 34.18 HIRING GOAL AND IMPLEMENTATION.

(A) All contractors and subcontractors performing work on covered projects shall make good faith efforts to satisfy the hiring goal.

(B) Any contractors or subcontractors that fail to meet the hiring goal shall be required to demonstrate to the Administrator's satisfaction that the contractor or subcontractor made good faith efforts to meet the hiring goal.

(C) (1) The Mayor of the city shall appoint an Administrator annually no later than June 30th to serve as the Administrator for the city's fiscal year following such appointment or within 30 days of a vacancy that might arise during any fiscal year. The foregoing not withstanding, an incumbent Administrator shall serve until their successor has been appointed and qualified. If, in the event of a vacancy, the Mayor fails to appoint a replacement Administrator within the first 30 days following the effective date of that vacancy, then the Board of Aldermen shall have the power to fill the vacancy provided that the Board does so:

(a) Within 30 days from the date upon which the power to make the appointment vested in the Board; or

(b) Prior to May 31st if the power to make the appointment vests in the Board on or after May 1st.

(2) Should the Board fail to make the appointment during any 30 day period it has to do so, or prior to May 31st if the power to make the appointment vests in the Board on or after May 1st, then the power of appointment shall revert to the Mayor. Thereafter, throughout the remainder of the then current fiscal year, the power to make the appointment shall alternate between the Mayor and the Board, at 30 day intervals, until an appointment is made or until June 1st at which point in time the power to make the appointment shall vest in the Mayor.

(D) The Mayor shall annually, prior to the adoption of the city's budget for the then next fiscal year and after consultation with the Administrator and all relevant city department heads, establish a Good Jobs Administration Budget for the then next fiscal year and the Mayor shall include a line item in his

annual budget submission to the Board of Aldermen sufficient to fund the Good Jobs Administration Budget. If, during the fiscal year in which the Mayor submits a given Good Jobs Administration Budget as part of his budget submission, the city has received as liquidated damages, pursuant to its contracts for covered projects, an amount greater than or equal to the Good Jobs Administration Budget as then submitted by the Mayor, the city shall be required to fund the Good Jobs Administration Budget as submitted by the Mayor and approved by the Board of Aldermen. To the extent possible, the cost required to oversee the implementation and enforcement of this subchapter for each project shall be funded and paid for through each project.

(Ord. passed 2-21-2012; Ord. passed 5-13-2015)

§ 34.19 REFERRAL MECHANISM.

(A) No less than four (4) weeks prior to the commencement of construction on covered projects, the contractor shall meet with the Administrator and provide the number of job positions to be created by the project by trade and the qualifications by job title. The Administrator shall make reasonable efforts to ensure that adequate job training is available to the extent necessary to achieve the hiring goal and that screening and referral mechanisms are in place so that contractors can access qualified residents. Additionally, the Administrator shall designate a first-source referral program for the city.

(B) In the event a contractor or subcontractor cannot satisfy the hiring goal through its own employees and union hiring halls, the contractor or subcontractor shall next utilize the first source referral program in order to satisfy the hiring goal. The contractor or subcontractor must wait five business days after a request has been submitted before advertising the position elsewhere.

(C) Qualifications required shall be only those relevant to the job. In satisfying the hiring goal, the contractor and any subcontractor shall employ all qualified persons referred by the first source referral program. The contractor and any subcontractor must utilize the first source referral program whenever its hiring needs increase and they are unable to comply with the hiring goals.

(Ord. passed 2-21-2012; Ord. passed 5-13-2015)

§ 34.20 MONITORING.

(A) The owner for a covered project shall require all construction contracts to comply with all provisions of this subchapter, and a copy of this subchapter shall be included with all contracts with contractors and subcontractors performing construction work on covered projects. This subchapter must be a contractual obligation in all contracts.

(B) All contractors and subcontractors performing construction work on covered projects shall submit to the Administrator weekly certified payroll records within five working days of the end of each payroll period. The records must show the person-hours on a craft-by-craft basis and identify the address, social security number, hiring date, ethnicity, gender and trade (journeyperson or apprentice) of all employees on the project. All reports must have an original signature and be signed by an authorized officer or employee of the company. Failure to comply with the provisions of this division (B) shall be deemed by the Administrator to be a violation of this subchapter and shall be subject to, and invoiced, liquidated damages on a weekly basis. Any willful misrepresentation contained in the information requested pursuant to this division (B) shall be deemed by the Administrator to be a violation of this subchapter and shall be subject to, and invoiced, liquidated damages on a weekly basis. The Administrator shall notify the City of Waterbury Department of Finance upon any violation of this subchapter. No portion of any invoice submitted by a contractor that is subject to liquidated damages shall be paid by the city until such time as all liquidated damages relating to that invoice have been paid to the city.

(C) Unless prohibited by federal, state or local law, all records in the city's possession shall be available for public inspection.

(D) The Administrator shall review all information provided pursuant to division (B) hereof and submit monthly reports to the Liaison Committee and to the Board of Aldermen summarizing the information.

(Ord. passed 2-21-2012; Ord. passed 5-13-2015)

§ 34.21 GOOD FAITH EFFORTS.

(A) Contractors shall be deemed to have made good faith efforts if they demonstrate to the satisfaction of the Administrator that they have done all of the following:

(1) Utilize the first source referral program to help satisfy the hiring goal;

(2) Notify the public in the city of the employment opportunities available on covered projects. The notification shall comprise a notice in a newspaper of general circulation in the city of employment opportunities, written notice to construction unions, community organizations and city high schools concerning same, and any other notice required by the Administrator. Contractors shall maintain records of responses to the notices received thereby. All notices must state that all qualified applicants will receive consideration without regard to race, color, religion, sex or national origin. The notice required by this division shall include a statement that the notice is provided pursuant to this subchapter;

(3) Maintain a file on the job site of the names and addresses of each worker referred by the first source referral program. The file shall indicate what action was taken with respect to each referred person, and if the person was not hired, the reasons therefore; provided, however, that this subchapter shall not be construed as requiring contractors to hire any persons who do not satisfy applicable job qualifications;

(4) Participate in State of Connecticut-approved local employment training programs in the city's area, or develop on-the-job training opportunities and participate and assist in any association or employer-group training program relevant to the contractor's employment needs;

(5) Regularly review and evaluate their personnel and promotional opportunities, encourage city residents to seek opportunities and establish a program to monitor compliance with this subchapter; and

(6) Utilize other means of obtaining employees who are residents of the city that are reasonably calculated to assist with achieving the hiring goals.

(B) Contractors shall provide the city with any documentation requested by the Administrator in order to establish compliance with this subchapter.

(Ord. passed 2-21-2012)

§ 34.22 CONTRACT REQUIREMENTS FOR COVERED SERVICES.

(A) This city shall include provisions in Chapter 38, entitled "Centralized Procurement System," of the Code of Waterbury mandating that each contract for a covered project, as that term is defined herein, awarded pursuant to Chapter 38 include provisions addressing compliance with the provisions of this subchapter by the contractor or contractors thereunder and by any subcontractor or subcontractors performing work related to any such contract.

(B) Whenever provisions are included in a contract for a covered project pursuant to division (A) of this section, they shall include provisions establishing liquidated damages for the failure of any contractor or subcontractor to comply with the provisions of this subchapter on a weekly basis. The liquidated damages shall be based on an estimate of the cost the city would incur in having to provide alternative employment opportunities, or alternative economic assistance, to those residents who would have benefited by the city's investment in the covered project if they had been hired by the contractor or subcontractor had they complied with the provisions of this subchapter.

(C) Whenever provisions regarding liquidated damages are included in a contract for a covered project pursuant to division (B) of this section, that contract shall, if applicable, also include provisions addressing the following matters:

(1) Weekly compliance reviews by the Administrator for the purpose of assessing compliance with the provisions of this subchapter, or the lack thereof;

(2) Requiring a separate certification of compliance by the Administrator prior to the payment of any funds by the city under any such contract;

(3) The weekly assessment and invoicing of liquidated damages per noncompliant contractor or subcontractor while said contract is executory;

(4) No portion of any invoice submitted by a contractor that is subject to liquidated damages shall be paid by the city until such time as all liquidated damages relating to that invoice have been paid to the city.

(Ord. passed 2-21-2012; Ord. passed 5-13-2015)

MAUREEN McCAULEY
ASSISTANT DIRECTOR OF PURCHASING

OFFICE OF THE DIRECTOR OF PURCHASING
THE CITY OF WATERBURY
CONNECTICUT

ADDENDUM #1

June 4, 2024

RFP 8015 Multi-Year HVAC Chiller Maintenance Services

Please refer to the question and answer below.

Question: Can you provide a site list with each machine?
Answer:

EQUIPMENT LIST:

1 Carrier Centrifugal Chiller / Model 02XR-354MS64, SN 68970,	**West Side Middle School**
1 Carrier Centrifugal water cooled Carrier 23XRV5051ERVR451	**Wilby High School**
1 Carrier Water cooled Centrifugal Carrier 23 XRV	**Wilby High School**
1 Carrier Model 38AH-064-600 DA, Serial No. 0399F93027	**Kennedy High School**
1 Trane Air Cooled Chiller JCI/York YVAA0273DUV46BAVN	**Maloney Magnet School**
1 Trane Air Cooled Chiller/ Model RTAC2754U1	**Rotella Magnet School**
1 York Chiller Air cooled/ Model YYAA0278EUV46BA	**Carrington Elementary School**
1 Trane Chiller Air Cooled/ model RTAC2254UVFNN1	**Reed Elementary School**
1 Arctic Chill Heat Pump/ Model PWCCMV0300D4-MM	**Waterbury Career Academy H.S.**
2 Carrier Centrifugal water cooled chiller 23xrv/model 23xrv4142nqvaa51	**Crosby High School**
2 JCI air-cooled **YVAA**0331	**Waterbury Arts Magnet Middle/High School**
6 Intellipak and 3 Precedent Unitary rooftops	**Duggan Elementary School**
1 Intellipak and 4 Voyager	**Gilmartin Elementary School**
2 Trane Ascend air-cooled chillers	**Wendell Cross Elementary School**

NOTE: Each Proposal over $50,000.00 submitted shall be accompanied by a Proposal Security (a Certified Check or Bid Bond) in the amount of ten (10) percent of the Total Proposal Price.

Thank you.

Maureen McCauley

Assistant Director of Purchasing – City of Waterbury

235 GRAND STREET • WATERBURY, CONNECTICUT 06702 • PHONE: (203) 574-6749 • FAX: (203) 597-3437

#10

WATERBURY
PUBLIC SCHOOLS

Mike Konopka
School Inspector Office

Memorandum

To: Board of Education & Board of Alderman

From: Mike Konopka, School Inspector, School Inspector's Office BOE

Date: October 28, 2024

Re: Board of Education Approval Request / Executive Summary
Contract between Board of Education and A&J Generator and Equipment, LLC

The School Inspector's Office respectfully requests your approval of the above-referenced contract, awarded through RFP #8226, in the amount of $25,550.00, between The City of Waterbury and A&J Generator and Equipment LLC to provide districtwide Generator Maintenance Services.

This contract represents a multi-year (5 year) service agreement covering maintenance and repair of emergency generators. As a critical component of its infrastructure, these generators ensure uninterrupted power supply during emergencies, ensuring the continuity of the City's educational operations.

The funding source for this project is General Fund.

Accordingly, attached for your review and consideration are the requisite number of copies of the proposed contract.

Please note further that an electronic version and one complete set ("record copy") of documents, including contract, proposals, has been placed on file with the City Clerk's Office.

Lastly, please be advised that the department will have a representative present at your upcoming meeting to answer any questions you may have regarding this matter.

Thank You

Mike Konopka
School Inspector

Contract
for
Generator Maintenance Services
between
City of Waterbury
and
A&J Generator and Equipment, LLC

THIS CONTRACT, effective on the date signed by the Mayor, is by and between the **CITY OF WATERBURY**, City Hall, 235 Grand Street, Waterbury, Connecticut (the "City") and **A&J GENERATOR AND EQUIPMENT, LLC**, located at 103 Cheshire Road, Prospect, Connecticut, a Connecticut limited liability company (the "Contractor").

WHEREAS the Contractor submitted a bid to the City in response to **Request for Proposal ("RFP") No. 8226** regarding generator inspection and maintenance services on behalf of the City's Department of Education at certain of its schools (the "Project");

WHEREAS the City accepted the Contractor's bid for **RFP No. 8226**; and

WHEREAS the City desires to obtain the Contractor's services pursuant to the terms set forth in this Contract.

NOW THEREFORE, THE PARTIES AGREE AND COVENANT AS FOLLOWS:

1. Scope of Services. The Contractor shall furnish all the labor, services, equipment, materials, supplies, transportation, and incidentals necessary to complete the Project as specified in this agreement (also referred to herein as the "Contract") and such shall be completed in a satisfactory manner, as reasonably determined by the City. All labor, services, equipment, materials, supplies, transportation, and incidentals shall comply with **(i)** all applicable local, state and federal laws, statutes, ordinances, rules and regulations, including without limitation all notice requirements thereunder, and **(ii)** generally accepted professional standards.

1.1. The Project consists of providing generator inspection, maintenance and on-call repair services at City schools -- all as more particularly detailed and described in the Bid Documents in **Attachments A**, which is attached hereto and made a material part hereof. **Attachment A** consists of the following, which are attached hereto, are acknowledged by the Contractor as having been received, or otherwise hereby incorporated by reference as noted below, and all are made a part hereof:

1.1.1 City's **RFP No. 8226**, incorporated by reference;
1.1.2 Addendum 1 to **RFP No. 8226** (attached hereto);
1.1.3 Contractor's Price Proposal, dated September 17, 2024, consisting of 1 page (attached hereto);

1.1.4 Contractor's Response with associated attachments to **RFP No. 8226**, dated September 17, 2024, consisting of 17 pages, (attached hereto);
1.1.5 All applicable Federal, State and local statutes, regulations charter and ordinances (incorporated by reference);
1.1.6 City of Waterbury, Board of Education, **RFP No. 8226**, Scope of Services;
1.1.7 Contractor's Certificate of Insurance (attached hereto, or otherwise incorporated by reference);
1.1.8 All amendment(s) and Change Orders issued by the City after execution of Contract (incorporated by reference); and
1.1.9 All applicable permits and licenses (incorporated by reference).

1.2. The entirety of **Attachment A** plus this executed instrument are together deemed the Contract Documents (hereinafter collectively referred to as "Contract Documents"). The City's record copy of the Contract Documents shall control and shall be effective and binding on the Contractor. If any provision in the Contract Documents conflict with any other provision therein, the provision in the component part of the Contract Document first enumerated below shall govern over any other component part which follows it numerically:

1.2.1 All applicable Federal, State, and local laws, regulations, charter and ordinances;
1.2.2 Amendment(s) and Change Orders;
1.2.3 This Contract;
1.2.4 Addendums to **RFP No. 8226**, if any;
1.2.5 **RFP No. 8226** including City of Waterbury, Board of Education, **RFP No. 8226** Scope of Services;
1.2.6 Contractor's Price Proposal; and
1.2.7 Contractor's Response.

2. Representations Regarding Qualification and Accreditation. The Contractor represents that its employees are licensed to perform the scope of work set forth in this Contract. The Contractor further represents that its employees have the requisite skill, expertise and knowledge necessary to perform the scope of work required under the terms of this Contract, including any supplementary work and the City relies upon Contractor's representations.

2.1. Representations regarding Personnel. The Contractor represents that it has, or will secure at its own expense, all personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, unless the use of City employees or of personnel having a contractual relationship with the City is approved in writing. As set forth above, all the services required hereunder shall be performed by the Contractor or under its supervision and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under state or local law to perform such services.

2.2. Representations regarding Qualifications. The Consultant hereby represents that, to the extent required by Federal, State and Local statutes, regulations, codes, ordinances, and policies, that the Consultant and/or its employees be licensed, certified, registered, or otherwise qualified, the Consultant and all employees providing services under this Contract, are in full compliance with those statutes, regulations and ordinances. Upon City request, the Consultant shall provide to the City a copy of the Consultant's licenses, certifications, registrations, etc.

3. Responsibilities of the Contractor. The Contractor agrees to properly implement the services required in the manner herein provided. The Contractor shall, in addition to any other responsibilities set forth in this Contract and the Schedules and Attachments hereto, perform the following coincident with the performance of this Contract:

3.1. Due Diligence Obligation. The Contractor acknowledges its responsibility to examine and to be thoroughly familiar with the City's bid document, including, but not limited to the plans, specifications, drawings and any addenda thereto. The Contractor hereby warrants and represents that prior to the submission of its proposal during the bid process it reviewed or was afforded opportunity, by the City, to review all physical items, facilities, services and functions essential to the satisfactory performance of the services required ("Due Diligence") and thereby certifies that all such items, facilities, services and functions are included in this Contract and thereby warrants that:

3.1.1 it conducted or had opportunity to conduct all due diligence prior to the submission of its bid and, accordingly, any additional costs, services or products resulting from the failure of the Contractor to complete Due Diligence prior to submission of its bid proposal shall be borne by the Contractor. Furthermore, the Contractor had the opportunity during the bid process to ask questions it saw fit and to review the responses from the City;

3.1.2 its failure or omission to make investigation and verification of data shall, in no way, be cause for future claim of ignorance of such data or conditions nor shall such failure to investigate and verify be the basis for any claim whatsoever, monetary or otherwise;

3.1.3 it is solely responsible for resolving any issues resulting from its failure to conduct due diligence and it shall assume all resulting costs it incurs during the Project;

3.1.4 it was responsible for specifying any changes and disclosing any associated new costs prior to submittal of its bid. In the event the Contractor failed to disclose any such new cost prior to the submittal of its bid, the Contractor hereby covenants that it shall remain solely responsible for, and shall absorb, those non-disclosed costs;

3.1.5 it has familiarized itself with the nature and extent of the Contract Documents, Project, locality, and with all local conditions and Federal, State

and local laws, ordinances, rules and regulations that in any manner may affect cost, progress or performance of the Project;

3.1.6 it has given the City written notice of any conflict, error or discrepancy that the Contractor discovered in the City's bid documents and other documents for **RFP Number 8226** (collectively, the "Bid Documents");

3.1.7. it agrees that the Bid Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Project;

3.1.8. it has carefully studied all reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the Scope of Services which were utilized in the preparation of the plans and specifications;

3.1.9 it has made or caused to be made examinations, investigations, measurements and tests and studies of any applicable reports and related data as it deems necessary for ensuring performance of the Scope of Services at the Contract Price within the Contract Time and in accordance with the other terms and conditions of the Contracts; and certifies no additional examinations, investigations, tests, reports or similar data are or will be required by Contractor for such purposes; and

3.1.10 The Contractor shall not take advantage of any obvious error or apparent discrepancy in the Contract. Notice of any error or discrepancy discovered shall be given immediately in writing to the City, who shall make such corrections and interpretations as it may deem necessary for the completion of the Project in a satisfactory and acceptable manner.

3.2. Safety. Contractor shall perform all work in a safe manner in full compliance with local, state and federal health and safety regulations. Contractor shall immediately correct any dangerous condition caused by or resulting from its work. If it fails to correct, or to act diligently to correct, any condition which the City reasonably believes to be a hazard to persons or property, then immediately upon oral or written notice to any supervisory or similar personnel of Contractor, City may, but shall not be required to, correct same at Contractor's expense. City shall Contractor in writing any oral notice given within five (5) business days thereafter.

3.3. Storage. In the event the Project site has insufficient, inadequate, and/or improper storage space, it shall be the responsibility of the Contractor to secure, provide and maintain at the Contractor's sole cost and expense **(i)** adequate off-site storage space for equipment, materials, incidentals, etc., and **(ii)** all associated delivery and transportation services. In either event, the Contractor shall assume full responsibility for equipment, materials, incidentals, etc. until both title and risk of loss pass to the City pursuant to Section 8 of this Contract.

3.4. Working Hours. To the extent the Contractor is required to be on City property to render the Contractor's services hereunder, the Contractor shall coordinate its schedule so that work on and at the Project site is performed during the hours of 8:00 a.m. to 4:00 p.m. Monday through Friday, unless more exactly specified elsewhere in this Contract or **Attachment A** or unless prior written permission is obtained from the City to work during other times. This provision shall not excuse the Contractor from timely performance under the Contract.

3.5. Cleaning Up. The Contractor shall always keep the Project site free from accumulation of waste materials or rubbish caused by Contractor's employees or subcontractors, and at the completion of the work shall remove all rubbish from and about the Project and all tools, scaffolding and surplus materials and shall leave the Project site "broom clean" or its equivalent, unless more exactly specified. In case of dispute, the City may remove the rubbish and charge the cost to the Contractor.

3.6. Publicity. Contractor agrees not to deliberately disclose the fact that the City has entered into or terminated this Contract or disclose any of the terms of the Contract or use the City's name in connection with any publicity unless the City gives prior written consent to such use of the City's name in each instance.

3.7. Standard of Performance. All Contractor labor, materials, supplies, components, equipment, reports, plans, specifications, drawings, deliverables, incidentals, etc., required to be furnished or delivered under this Contract shall conform in all respects with the requirements set forth in this Contract and shall meet or exceed those standards generally recognized in the Contractor's craft and trade in the State of Connecticut. City specified manufacturer and/or brand name substitution desired by the Contractor shall be made only with the prior written consent of an authorized representative of the City's Using Agency.

3.7.1 In carrying out the Project, the Contractor must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor, nor with the normal routine of the institution or agency operating at the Project site.

3.8. Contractor's Employees. The Contractor shall always enforce strict discipline and good order among its employees and shall not employ on the work any unfit person or anyone not skilled in the work assigned. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove any Contractor employee expressly named, identified or required in this Contract.

3.9. Subsurface/Unknown Site Conditions. If Project site conditions are encountered which are **(i)** subsurface or otherwise concealed physical conditions or other conditions which differ materially from those indicated in the Contract Documents, or **(ii)** unknown conditions of an unusual nature which differ materially from those ordinarily found to exist and generally recognized as inherent or common in

construction activities of the character provided for in this Contract, then prompt notice by the observing party shall be given to the other party to this Contract before Project site conditions may be disturbed; the Contractor shall thereafter wait for written instructions from the City before proceeding under such conditions.

3.10. Surveys. All surveys required under this Contract shall be performed by a State of Connecticut duly licensed land surveyor. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall perform all layout work, all field measurements and all construction staking required, necessary or prudent for the satisfactory prosecution of the Contractor's obligations under this Contract.

3.11. Permits and Licenses. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall secure and obtain all permits and all licenses required, or necessary, or prudent for the performance of the Contractor's obligations under this Contract., and for the City's occupancy, use, and operation of the Project.

3.12. Manufacturer's Directions. Where it is required in this Contract that materials, products, processes, equipment or the like be installed or applied in accord with manufacturer's directions, specifications or instructions, it shall be construed to mean that the said application or installation by the Contractor shall be in strict accord with printed instructions furnished by the manufacturer of the material concerned for use under conditions like those at the Project site. One (1) copy of such instructions shall be furnished to the City.

3.13. Review by the City. The Contractor shall permit the City and the City's duly authorized representatives and agents to review, at any time, all work performed under the terms of this Contract at any stage of the Project.

3.14. Records Maintenance. The Contractor shall maintain or cause to be maintained all records, books or other documents relative to charges, costs, expenses, fees, alleged breaches of the Contract, settlement of claims or any other matter pertaining to the Contractor's demand for payment.

3.15. Activities, Work, and Services Performed in Department of Education Facilities, on School Grounds, at Student Sporting Events, and/or where City Students are Present. For all activities in school facilities and/or Department of Education facilities, the Contractor shall first be required to coordinate all on-site visits and activities with the appropriate Department/personnel in Education, or the designated person and shall obtain any necessary clearance, ID badges, etc. Contractor shall enter and exit all school facilities and Department of Educational facilities as designated as authorized by the appropriate Department/personnel in Education, or the designated person.

3.16. Criminal Background Check and DCF Registry Check. The Contractor shall comply with the requirements of C.G.S. 10-222 c (g) and shall ensure, and represents to the City, that any employee who will be on school grounds/Department of Education Property/at Department of Education events and/or where City students are present, that will or may have direct contact with a student's while providing services pursuant to this Agreement, has stated, in writing, whether such person has ever been convicted of a crime or whether criminal charges were ever pending against such person. The Contractor shall further ensure, and represents to the City, that any person who will have direct contact with a student has submitted to a records check of the Department of Children and Families Child Abuse and Neglect Registry established pursuant to Conn. Gen. Stat. §17a-101k, as well as State and National criminal history records checks conducted in accordance with Conn. Gen. Stat. §29-17a, the Federal National Child Protection Act of 1993, and the Federal Volunteers for Children Act of 1998. The Contractor shall not permit any person with a disqualifying criminal history to have contact with a student. The contractor agrees the "direct contact" shall include the contractor and its employees providing services under this contract if said services are performed on school grounds/Department of Education Property/at Department of Education events and/or where City students are present.

4. Responsibilities of the City and City Reservation of Rights. Upon the City's receipt of Contractor's written request for specific information, the City will provide the Contractor with existing documents, data and other materials the City agrees are necessary and appropriate to the services to be performed by the Contractor hereunder and the City will endeavor to secure, where feasible and where the City agrees it is necessary and appropriate, materials or information from other sources requested by the Contractor for the purpose of carrying out the services under this Contract.

4.1. The City may, in its sole discretion, designate person(s) to act as the City's Project Engineer(s) and/or Manager(s) and the City may, in its sole discretion, define such person(s) authority and responsibilities.

4.2. The City reserves the right to **(i)** perform work related or unrelated to the Project with the City's own forces adjoining, adjacent to, or in the vicinity of, the Project site and/or **(ii)** let separate contracts related or unrelated to the Project for work and services adjoining, adjacent to, or in the vicinity of, the Project site. In such an event, the Contractor shall afford all such parties reasonable opportunity for storage of materials and equipment and for the uninterrupted provision and delivery of such parties' work and/or services. The Contractor shall cooperate with such parties and in the case of a dispute, the decision of the City shall be complied with by all.

5. Contract Time. The term of this Contract shall be five (5) years from its effective date ("Contract Time").

5.1. Attached hereto as **Attachment B** is the Project's schedule. On a monthly basis, the Contractor shall deliver to the City a written status report setting forth an analysis and critique of the Contractor's compliance with said schedule.

5.2. Delay Damages.

5.2.1 Time is and shall be of the essence for all Project performance obligations. The Contractor further agrees that the Project shall be prosecuted regularly and diligently. It is expressly understood and agreed, by and between the Contractor and City, that the performance obligations' timing is reasonable for the Project.

5.2.1.1 The Contractor shall pay to the City the sum of the greater of **Five Hundred and 00/100 Dollars ($500)** per consecutive calendar day for each calendar day for which the Contractor is in default in completing the work as required by this Agreement, or the actual damages incurred by the City caused by the delay. The preceding sum is hereby agreed upon not as a penalty, but as delay damages for the delay that the City shall suffer due to such default.

5.2.1.2 The City shall have the right to recover all damages pursuant to any remedy at law or equity including but not limited to deducting the amount of any such damages from any monies due to the Contractor under this Contract. The Contractor understands that if the entire Work or of any portion of the Work that the City has agreed to accept separately, if any, is not attained by the applicable completion dates as set forth in the entire Section 5, the City will suffer damages, which are difficult to specify accurately and ascertain. Delay damages based upon delay shall be assessed to compensate the City for all actual loss sustained by the delay, including, but not limited to, loss of use, increased cost of material or services to complete the project, loss of State funding, all other another actual expense, and all other damages allowed by law, including attorney's fees.

5.3. No Damage for Delay. In no event shall the Contractor be entitled to any compensation or recovery of any damages in connection with any Delay, including, without limitation, consequential damages, lost opportunity damages, attorney's fees or other, similar remuneration. The City's exercise of any of its rights or remedies under the Contract Documents, including without limitation, ordering changes in the Work, or directing suspension, rescheduling or correction of the Work, regardless of the extent or frequency of the City's exercise of these rights has been contemplated by the parties and shall not be construed as an exception.

6. Compensation. The City shall compensate the Contractor for satisfactory provision of all the goods and services set forth in this Contract as follows in this Section 6. No claims for additional compensation will be considered for conditions made known to the Contractor prior to bidding. No claims for additional compensation will be considered on account of the failure of the Contractor to completely inform itself as required herein above.

6.1. Fee Schedule. Subject to retainage, limitations, etc. set forth below in this Section 6, the fee payable to the Contractor shall not exceed **TWENTY-FIVE THOUSAND FIVE HUNDRED FIFTY DOLLARS ($25,550)** (hereafter referred to as "Total Compensation") with the basis for payment being Contractor's Price Proposal set forth in **Attachment A**, which is summarized below and inclusive of the required payment and performance bonds:

i. Year 1 -- $5,110 (base payment);
ii. Year 2 -- $5,110 (base payment);
iii. Year 3 -- $5,110 (base payment);
iv. Year 4 -- $5,110 (base payment); and
v. Year 5 -- $5,110 (base payment).

6.1.1 On-Call Repair Services. The Contractor shall bill for on-call repair services as per the Contractor's Price Proposal attached hereto.

6.2. Retainage. At the City's sole discretion, it hereby reserves the right to withhold as retainage of five percent (5%) of any payment (or monetary sum otherwise required by law) owed to the Contractor to be withheld from payments to the Contractor otherwise payable to the Contractor until such time as the Contractor's work and services to be provided under this Contact are fully completed and accepted in writing by the City. The retainage does not include additional sums that the City may withhold due to the Contractor's failure to comply with the provisions of this Contract.

6.3. Limitation of Payment. Compensation to the Contractor is limited to those fees set forth in Section 6.1. of this Contract and is further limited to work **(i)** performed in fact, **(ii)** conforming with this Contract, and **(iii)** accepted in writing by a duly authorized City employee. Such compensation shall be paid by the City upon its review and approval of the Contractor's invoices for payment and review of the Contractor's work.

6.3.1 Funding. In the event this Contract is funded, in whole or in part, by Federal and/or State monies, grants, loans, etc, all City payment(s) shall fully comply with all relevant Federal and State statutes and regulations. In the event this Contract is 100% funded by Federal and/or State monies, grants, loans, etc., the aggregate sum of all City payments shall not exceed the aggregate sum of such funding.

6.3.2 The Contractor and its affiliates are hereby provided with notice that the City reserves the right, in the City's sole discretion, to offset, withhold, or otherwise reduce City payment(s) to the Contractor, in an amount equaling the sum or sums of money the Contractor and/or its affiliates is/are, or become delinquent or in arrears on, regarding the Vendor's and/or its affiliates real and personal property taxes and other payment obligations to the City.

6.4. Bid Costs. All costs of the Contractor in preparing its bid for **RFP Number 8226** shall be solely borne by the Contractor and are not included in the compensation to be paid by the City to the Contractor under this Contract or any other agreement.

6.5. Payment for Services, Materials, Appliances, Employees. The Contractor shall be responsible to the City for the suitability of services, materials and equipment furnished to comply fully with the requirements set forth in this Contract. The Contractor shall promptly pay all employees as their pay falls due, shall pay promptly as they fall due all bills for subcontractors, materials, supplies and services going into the work, and all bills for insurance, bonds, Worker's Compensation coverage, Federal and State Unemployment Compensation, and Social Security charges applicable to this Project; at the City's discretion is may request written confirmation that such payment obligations are fulfilled prior to releasing any subsequent payments to the Contractor. Before final City payment is made, the Contractor shall furnish to the City a sworn, notarized, affidavit stating that all the foregoing payment obligations have been fully completed.

6.6. Liens. Neither the City's final payment nor any part of the retained percentage, if any, shall become due until the Contractor, if required by the City, shall deliver to the City a complete release of all liens arising out of this Contract, or receipts in full in lieu thereof, and, if required, in either case, an affidavit that so far as the Contractor has knowledge or information, the releases and receipts include all the labor and material for which a lien could be filed; but the Contractor may, if any subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the City, to indemnify it against any lien. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the City all moneys that the City may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fees.

6.7. Attorney's Fees and Costs. The prevailing party in any litigation arising hereunder shall be entitled to attorney's fees and costs from the losing party.

6.8. Contractor's Certificate of Completion. Upon the Contractor's completion of each service required hereunder, it shall, in each instance, file with the City a written, notarized affidavit setting forth the amount of work performed. The City reserves the right to verify or challenge by any reasonable means the accuracy of said affidavit.

6.9. Payments Subject to Correction. All City payments, including those relating to extra or additional work, retainage(s), and holdback(s), shall be subject to correction. No payment, final or partial, shall act as a release to the Contractor or its surety from any Contractor obligation(s) under this Contract.

7. Warranty of the Contractor. The Contractor warrants to the City that all materials, supplies, components, equipment, etc. furnished under this Contract shall be new and of good quality, except as otherwise expressly stated and permitted by the City elsewhere in this Contract. The Contractor warrants that none of its work shall be defective. The Contractor shall be liable to repair and install and/or replace without charge any service, component,

equipment or part thereof which is defective or does not conform with this Contract within the greater of **(i)** 365 calendar days after the City delivers its written notice of its acceptance of the Project and statement therein establishing the final completion date, or **(ii)** that time or date expressly stated elsewhere in this Contract or **Attachment A**.

7.1. The Contractor further warrants that all materials, supplies, services, components, equipment, reports, plans, drawings, deliverables, incidentals, etc., shall be free from all defects caused by faulty design, faulty material or poor workmanship. The Contractor shall supply to the City copies of any written manufacturer's warranties and guarantees and assign same to the City and the City shall avail itself of same to the fullest extent provided by the terms thereof. The Contractor's foregoing warranty obligations are in addition to, and not a limitation of, all manufacturer's warranties and guarantees, and any other remedy stated in this contract or otherwise available to the City under applicable law.

8. Passing of Title and Risk of Loss.

8.1. The City's beneficial use of Project equipment, materials, site-work, etc. prior to the Contractor's final completion of the Project or prior to the City's final payment for the Project shall neither act to vest title in the City nor act to transfer risk of loss from the Contractor to the City. Said title and risk shall pass to the City upon the City's final payment for the Project.

8.2. Contractor and its insurer shall assume the risks of loss or damage to the equipment up to and including the date title passes, except that City shall be responsible for loss or damage caused by City's gross negligence.

8.3. After Project equipment, materials, etc. are delivered to the Project worksite and become operable or functional, the Contractor shall not thereafter remove any such equipment, materials, etc. from the Project worksite without securing the prior written consent of an authorized City Using Agency employee.

9. Indemnification.

9.1. The Contractor shall indemnify, defend, and hold harmless the City, City's Boards, and Board of Education and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, officials and employees from and against all claims, suits, damages, losses, judgments, costs and expenses including attorney's fees arising out of or resulting from the delivery of the labor, services, equipment, materials, reports, plans, specifications, design, drawings, deliverables, incidentals, etc. provided that any such claims, suits, damages, losses, judgments, costs or expenses **(i)** are attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting there from, **(ii)** are alleged to be caused in whole or in part by any willful, intentional, negligent, or reckless act or omission of the Contractor, its employees, any subcontractor or consultant, anyone directly or indirectly employed by

any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder; **(iii)** enforcement action or any claim for breach of the Contractor 's duties hereunder or **(iv)** claim for intangible loss(es) including but not limited to business losses, lost profits or revenue, regardless of whether or not it is caused in part by a party indemnified hereunder.

9.2. In any and all claims against the City, Board of Education or any of City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials by the Contractor or any employee of the Contractor , any subcontractor or consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 9 above, shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any subcontractor under Worker's Compensation Acts, disability benefit acts or other employee benefit acts.

9.3. The Contractor understands and agrees that any insurance required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, defend, keep and hold harmless the City, the Board of Education, any of City's boards and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees and officials as provided in this Contract.

9.4. The Contractor expressly understands and agrees that any performance bond or insurance protection required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the City and the City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials as provided herein.

9.5. Royalties and Patents. The Contractor shall, for all time, secure to the City the free and undisputed right to the use of any and all patented articles and methods used in the work and shall defend at Contractor's own expense any and all suits for infringement or alleged infringement of such patents, and in the event of adverse award under patent suits, the Contractor shall pay such awards and hold the City harmless in connection with any patent suits that may arise as a result of installations made by the Contractor and as to any award made thereunder.

9.6. In the event this Contract and/or the Contractor's, or its subcontractor, work and services provisioned hereunder is/are subject to the provisions of any Federal or State statute or regulations, or the City Charter or City Ordinance, the Contractor shall indemnify, defend and hold harmless the City from any fine, penalty or other amounts imposed on the City under said statutes, regulations, Charter or Ordinances, if caused by Contractor, or its subcontractor, omission or commission.

10. Contract Bonds. The Contractor shall furnish to the City, prior to the execution of this Contract by the City, both a performance bond and a payment bond, each bond written for a penal sum equaling the Section 6 "Total Compensation" amount in a form and with a surety acceptable to the City. The bonds shall continue in effect for the greater of **(i)** the warranty period set forth in Section 7 of this Contract, or **(ii)** 365 calendar days after the Final Completion Date referenced elsewhere in this Contract.

11. Contractor's Insurance.

11.1. The Contractor shall not commence work under this Contract until all insurance required under this Section 11 has been obtained by the Contractor and such insurance has been approved by the City. The Contractor shall not allow any subcontractor to commence work on any subcontract until all insurance required of any such subcontractor has been obtained and approved by the City. Insurance shall be provided by insurers, satisfactory to the City and authorized to do business in the State of Connecticut, an "A-" Best's Rating and at least a Class V3 or better financial size category as shown in the most current A.M. Best Company ratings.

11.2. At no additional cost to the City, the Contractor shall purchase and maintain the insurance coverages set forth below which shall protect the City and its Boards and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees from claims which may arise out of or result from the Contractor's obligation under this Contract, whether such obligations are the Contractor's or subcontractor or person or entity directly or indirectly employed by said Contractor or subcontractor, or by any person or entity for whose acts said Contractor or subcontractor may be liable.

11.3. Each insurance policy shall state that the insurance company shall agree to investigate and defend the insured against all claims for damages, even if groundless. If any insurance required herein is to be issued or renewed on a claims made form as opposed to an occurrence form, the retroactive date for coverage shall be no later than the effective date of this Contract and shall provide that in the event of cancellation or non-renewal, the discovery period for insurance claims ("Tail Coverage") shall be available for at least 60 months.

11.4. The following policies with stated limits shall be maintained, in full force and effect, always during which the services are to be performed by the Contractor:

11.4.1 General Liability Insurance: $1,000,000.00 per occurrence, **$2,000,000.00** aggregate and **$2,000,000.00** products and completed operations aggregate; providing coverage to protect the City for all damages arising out of bodily injuries, sickness to or death of all persons in any one accident or occurrence and for all damages arising out of destruction of property in any one accident or occurrence.

11.4.2 Automobile Liability Insurance: **$1,000,000.00** combined single limit (CSL); providing coverage to protect the City with respect to claims for damage for bodily injury and or property damage arising out of ownership, maintenance, operation, use or loading and unloading of any auto including hired & non-owned autos.

11.4.3 Workers' Compensation: Statutory Limits within the State of Connecticut: Employers' Liability:

EL Each Accident **$1,000,000.00**
EL Disease Each Employee **$1,000,000.00**
EL Disease Policy Limit **$1,000,000.00**

Contractor shall comply with all State of Connecticut statutes as it relates to workers' compensation.

11.4.4 Excess/Umbrella Liability Insurance: Excess or Umbrella insurance coverage that follows form or sits over General Liability, Automobile Liability and Workers Compensation insurances -- **$1,000,000.00** each occurrence and **$1,000,000.00** Aggregate.

11.5. Failure to Maintain Insurance: In the event the Contractor fails to maintain the minimum required coverage as set forth herein, the City may at its option purchase same, and offset the Contractor's invoices for the cost of said insurance.

11.6. Cancellation: The City of Waterbury shall receive written notice of cancellation from the Contractor at least thirty (30) calendar days prior to the date of actual cancellation, regardless of the reason for such cancellation.

11.7. Certificates of Insurance: The Contractor's General, Automobile, Builder's Risk and Excess/Umbrella Liability Insurance policies shall be endorsed to add the City and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees_as an additional insured and provide waiver of subrogation on all policies except Builder's Risk and Pollution Liability. The insurance afforded the additional insured shall be primary and non-contributory insurance and the coverage and limits provided under the Contractor's policies shall not be reduced or prorated by the existence of any other insurance applicable to any loss the additional insured may have suffered. Prior to the execution of this Contract by the City, the Contractor shall furnish to the City, subject to City approval, certificate(s) of insurance and Additional Insured Endorsement and Waiver of Subrogation Endorsement verifying the above coverages, including the naming of the City of Waterbury, as follows: **"The City of Waterbury and its Board of Education and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees are listed as additional insured on all lines of coverage as their interests may appear".** The City's Invitation to Bid

Number must be shown on the certificate of insurance to assure correct filing. The Contractor must supply replacement/renewal certificates at least 30 days prior to the expiration of the policy(ies). Said certificates shall contain a provision that coverage afforded under the policies shall not be cancelled or reduced for any reasons unless notice of than thirty (30) calendar days has been mailed to the City's Using Agency and a copy to the City's Office of Corporation Counsel, 235 Grand Street, Waterbury, CT 06702.

11.8. No later than thirty (30) calendar days after Contractor receipt, the Contractor shall deliver to the City a copy of the Contractor's insurance policies and endorsements and riders.

12. Conformance with Federal, State and Other Jurisdictional Requirements. By executing this Contract, the Contractor represents and warrants that, at all pertinent and relevant times to the Contract, it has been, is and will continue to be in full compliance with all applicable statutes, acts, ordinances, guidelines, resolutions, orders, judgments, decrees, injunctions, rules, and regulations of all government authorities applicable to performance by the Contractor of services hereunder, including those having jurisdiction over its registration and licensing to perform services hereunder; including, but not limited to, the following: **EQUAL EMPLOYMENT OPPORTUNUTY; COPELAND ANTI-KICKBACK ACT**, as supplemented in the Department of Labor Regulations (29 CFR, Part 3); **DAVIS BACON ACT** as supplemented by Department of Labor Regulations (29 CFR Part 5); Section 103 and 107 of the Contract Work Hours and Safety Standards Act, as supplemented by the Department of Labor Regulations (29 CFR Part 5); **THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974**, as amended; **TITLE 31** and Section 12-430(7) of the State of Connecticut General Statutes. All applicable sections of the City Charter and Code of Ordinances are incorporated by reference made a part hereof.

12.1. Taxes-Federal, State and Local. The City is exempt from Federal Excise and Transportation, State and Local Sales and Use Taxes, including without limitation, taxes that would otherwise be imposed upon the Contractor for transactions required or necessitated hereunder between it and its subcontractors, suppliers, etc. The Contractor remains liable, however, for any applicable tax obligations it incurs. Moreover, the Contractor represents that the bid and pricing contained in this Contract do not include the amount payable for said taxes.

12.2. Labor and Wages-Federal and State. The Contractor and its subcontractors shall conform to Federal and State of Connecticut labor laws, and all other laws, ordinances, and legal requirements affecting the work in Connecticut.

12.2.1 The Contractor is aware of, and shall comply with, the provisions of Title 31, §53 of the Connecticut General Statutes, latest revision (the "Act"), concerning the payment of minimum wages for work on public facilities. The provisions of the Act are hereby incorporated by reference and made a part of this Contract. The Act provides that the Connecticut prevailing wage law applies to certain remodeling, refurbishing, alteration, repair and new

construction. The wages paid on an hourly basis to any person performing the work of any mechanic, laborer or worker on the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such person to any employee welfare fund, as defined in Conn. Gen. Stat. 31-53(i), shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such persons to any such employee welfare fund shall pay to each mechanic, laborer or worker as part of such person's wages the amount of payment or contribution for such person's classification on each pay day.

12.2.2 The Contractor is aware of, and shall comply with, as applicable, the provisions of the Federal Davis-Bacon Act, the American Rescue Plan Act, Pub. L. No. 117-2 (March 11, 2021), the Elementary and Secondary School Emergency Relief Supplemental Appropriations Act of 2021 signed into law December 27, 2020 (ESSER II Fund) and the American Rescue Plan Elementary and Secondary School Emergency Relief Fund signed into law March 11, 2021, all the provisions of which are hereby incorporated by reference and made a part of this Contract.

12.3. Compliance with Chapters 34, 38, and 39 of the Code of Ordinances of the City. By executing this Contract, the Contractor represents and warrants that, at all pertinent and relevant times to the Contract, it has been, is and will continue to be in full compliance with the provisions of Chapters 34, 38, and 39 of the Code of Ordinances of the City and well as any other relevant provisions of the Charter and the Code of Ordinances.

13. Discriminatory Practices. In performing this Contract, the Contractor shall not discriminate against any employee or applicant for employment, with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, sex, age, religious creed, disability, national origin or ancestry, marital status, family status, prior psychiatric treatment, health care, military status or source of income or because of a handicap that is unrelated to the employee's or the applicant's ability to perform the duties of a particular job or position. Subcontracts with each subcontractor shall contain a provision requiring non-discrimination in employment as specified herein. This covenant is required pursuant to §93.04 of the Code of Ordinances of the City and any breach thereof may be regarded as a material breach of this Contract. Said provisions with subcontractors shall require conformity and compliance with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements.

13.1. Discrimination Because of Certain Labor Matters. No person employed on the work covered by this Contract shall be discharged or in any way discriminated against because such person has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under

or related to the labor standards applicable hereunder to its employer.

13.2. Equal Opportunity. In its execution of the performance of this Contract, the Contractor shall not discriminate and shall comply with applicable laws prohibiting discrimination on the grounds of race, color, religion, sex, national origin or citizenship status, age or handicap. The Contractor agrees to comply with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements and will require the same of all subcontractors.

13.3. Contractor Corrective Action.

13.3.1. Pursuant to Conn. Gen. Stat. § 4a-60, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

(a) Every contract to which an awarding agency is a party, every quasi-public agency project contract and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the state of Connecticut; and the contractor further agrees to take corrective action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved;

(2) The contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission on Human Rights and Opportunities;

(3) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post

copies of the notice in conspicuous places available to employees and applicants for employment;

(4) The contractor agrees to comply with each provision of this section and sections 46a-68e and 46a-68f and with each regulation or relevant order issued by said commission pursuant to sections 46a-56, as amended by this act, 46a-68e, 46a-68f and 46a-86; and

(5) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor as relate to the provisions of this section and section 46a-56, as amended by this act.

(b) If the contract is a public works contract, municipal public works contract or contract for a quasi-public agency project, the contractor agrees and warrants that he or she will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works or quasi-public agency project.

13.3.2. Pursuant to Conn. Gen. Stat. § 4a-60a, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

(a) Every contract to which an awarding agency is a party, every contract for a quasi-public agency project and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the State of Connecticut, and employees are treated when employed without regard to their sexual orientation;

(2) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(3) The contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said commission pursuant to section 46a-56; and

(4) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor which relate to the provisions of this section and section 46a-56.

14. Good Jobs Ordinance

14.1. Conformance With An Ordinance Concerning The Hiring Of Waterbury Residents On Certain Publicly Funded Construction Projects.

14.1.1 The Contractors and its Subcontractors shall comply with the specific requirements of "An Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects" (the "Good Jobs Ordinance"), as may be amended from time to time and as set forth in Chapter 34 of the Code of Ordinances of the City. While the principal provisions of the ordinance are summarized as set forth in paragraphs C-H below, the Contractor does hereby acknowledge that it has reviewed a copy of the Good Jobs Ordinance and that it has read the Ordinance, and that Contractor is familiar with the obligations imposed on the Contractor and each Subcontractor by the Good Jobs Ordinance.

14.1.2 Failure of the Contractor or its Subcontractors to comply with the Good Jobs Ordinance shall be a material breach of this Agreement.

14.1.3 This paragraph shall apply to a Covered Project, as that term is defined in the Good Jobs Ordinance, in the City with a value of $500,000.00 or greater and only to the extent permitted by federal and state law.

14.1.4 Definitions. For purposes of this paragraph:

i. "Administrator" shall be defined as it is in the Good Jobs Ordinance.

ii. "Apprentice" shall be defined as it is in the Good Jobs Ordinance.

iii. "Basic Skilled Worker" shall be defined as it is in the Good Jobs Ordinance.

iv. "Contractor" shall be defined as it is in the Good Jobs Ordinance.

v. "Covered Project" shall be defined as it is in the Good Jobs Ordinance.

vi. "Hiring Goal" shall be defined as it is in the Good Jobs Ordinance.

vii. "Resident" shall be defined as it is in the Good Jobs Ordinance.

viii. "Subcontractor" shall be defined as it is in the Good Jobs Ordinance and shall include the Contractor's direct subcontractor providing construction work and all lower-tiered (level) providers of construction work.

14.1.5 Hiring Goals. If this Agreement requires the Contractor to perform work on a Covered Project, the Contractor and each Subcontractor shall have as its hiring goals:

i. at least thirty percent (30%) of its total worker hours performed by City Residents, and

ii. at least twenty-five percent (25%) of construction trade jobs shall go to Apprentices and/or Basic Skilled Workers, and

iii. at least seventy percent (70%) of all "new hires" (as that term is defined in the Good Jobs Ordinance) shall be "economically disadvantaged" individuals (as that term is defined in the Good Jobs Ordinance), and

iv. a minimum of five percent (5%) of the construction workforce labor hours will be local resident, minority artisans, and

v. a minimum of five percent (5%) of the construction workforce labor hours will be women, and

vi. a minimum of ten percent (10%) of the total work hours shall be allocated for minorities, or

vii. as may otherwise be required by any superseding Federal or State employment discrimination prohibition laws.

14.1.6 Good Faith Efforts. The Contractor and each Subcontractor shall engage in Good Faith Efforts to comply with the Hiring Goals. For the purposes of this paragraph, the term "Good Faith Efforts" shall have the same meaning as it does in the Good Jobs Ordinance. The Contractor and each Subcontractor shall individually implement Good Faith efforts to satisfy the Hiring Goals.

14.1.7 Action Plan and Pre-Construction Meeting. Not later than fourteen (14) business days prior to the scheduled commencement date for construction,

the Contractor shall submit a written plan-of-action to the City and to the Administrator of the Good Jobs Ordinance defining how the Contractor, and each Subcontractor, shall implement Good Faith Efforts to fulfill the Hiring Goals. Each plan-of-action shall include the anticipated number of job positions required for the Work. Not later than five (5) business day prior to the commencement date of construction, the Contractor must attend a mandatory "pre-construction" meeting with the City to review all plans-of-action and other relevant materials. No construction work shall proceed absent this pre-construction meeting.

14.1.8 Other Contractor Obligations. In addition to the foregoing, the Contractor shall ensure that all Subcontractor contracts and agreements expressly set forth and state as binding obligations therein, subject to appropriate party name change, the above Hiring Goals and Good Faith Efforts. The Contractor shall be accountable for, and liable to the City for, Contractor and each Subcontractor compliance with Hiring Goals and Good Faith efforts.

i. The Contractor shall meet with the Administrator no less than four (4) weeks prior to the commencement of construction on a Covered Project and provide the Administrator with the number of job positions to be created by the project by trade and the qualifications by job tile.

ii. The Contractor shall be required to produce Contractor and Subcontractor documentation that may be required under the provisions of the Good Jobs Ordinance or that the City or the Administrator reasonably believes will assist the City or the Administrator with their evaluation of Hiring Goals and Good Faith Efforts.

iii. The Contractor shall deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period. Moreover, the Contractor shall require each Subcontractor to create weekly certified payroll records.

iv. The Contractor's and each Subcontractor's payroll records shall include the person-hours, the residential address, race, gender, hiring date, and apprentice (job) classification of all personnel employed under this Agreement and all Contracts and Sub-Contracts thereunder. The Contractor and each Subcontractor shall mark their respective final payroll period records as being final and be signed by an authorized officer or employee.

14.2 Liquidated Damages Applicable To Section 14.1

14.2.1 If the City finds that the Contractor, or a Subcontractor, has failed to achieve Hiring Goals during any five (5) day work period (Monday through Friday), the City shall:

i. issue a written notice to the Contractor specifying the matters constituting such failure and the time period within which Good Faith Efforts documentation must be delivered to the City for its evaluation.

ii. if the Good Faith documentation is not provided or, if provided, it fails to demonstrate compliance with Good Faith Efforts, the Contractor shall, for each failure by the Contractor or a Subcontractor to achieve the Hiring Goals during a full five-day work period, pay to the City one thousand dollars ($1,000.00) as liquidated damages.

14.2.2 If the City finds that the Contractor, or a Subcontractor, has failed to deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period the Contractor shall, as liquidated damages pay one thousand dollars ($1,000.00) to the City for each week of ongoing violation.

14.2.3 The City shall provide the Contractor with an invoice identifying all sums due the City, as liquidated damages, because of the Contractor or a Subcontractor's failure to comply with the Good Jobs Ordinance as set forth above.

14.2.4 No portion of any invoice submitted by a Contractor that is subject to liquidated damages shall be paid by the City until such time as all liquidated damages relating to that invoice have been paid to the City.

14.2.5 The foregoing liquidated damages provisions shall be expressly set forth, subject to appropriate party name adjustments, as material provisions in all Contracts that the Contractor has with Subcontractors and the Contractor is obligated hereunder to enforce compliance in such Contracts with Subcontractors.

14.2.6 Any payment of liquidated damages hereunder shall not preclude a later claim, nor any later finding of a breach, or any payment of additional damages related to such later claim.

15. Place Holder.

16. Termination.

16.1. Termination of Contract for Cause. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the City shall thereupon have the right to terminate this Contract by either **(i)** giving written notice to the Contractor of a date certain by which Contractor shall, to the written satisfaction of the City, cure after which and without further action by any party, such termination shall automatically become effective and binding, or **(ii)** giving

written notice to the Contractor specifying the effective date of such termination at least five (5) business days before the effective date of such termination.

16.1.1 In the event of a termination, all finished or unfinished documents, data, studies, reports, plans, specifications, drawings, supplies, services, etc. prepared by the Contractor under this Contract shall, at the option of the City, become the City's property, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed for such.

16.1.2 Notwithstanding the above, the Contractor shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of this Contract by the Contractor, and the City may withhold any payments to the Contractor for the purpose of setoff until such time as the exact amount of damages due the City from the Contractor is determined.

16.2. Termination for Convenience of the City. The City may terminate this Contract at any time for the convenience of the City, by a notice in writing from the City to the Contractor. If this Contract is terminated by the City as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the services performed bear to the total services of the Contractor covered by this Contract, less payments of compensation previously made.

16.3. Termination for Non-Appropriation or Lack of Funding. The Contractor acknowledges that the City is a municipal corporation and that this Contract is subject to the appropriation and disbursement of funds by the City sufficient for this Contract for each budget year in which this Contract is in effect. The Contractor therefore agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City if sufficient funds to provide for City payment(s) under this Contract is not appropriated, not authorized, or not made available, or such funding has been reduced. In the event this Contract is subject, in whole or in part, to the appropriation and disbursement of Federal and/or State funds and those Federal and/or State funds are not appropriated or are not disbursed to the City, the Contractor hereby agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City.

16.3.1 Effects of Non-Appropriation. If funds to enable the City to effect continued payment under this Contract are not appropriated, authorized or otherwise made available by law, the City shall have the right to terminate this Contract without penalty at the end of the last period for which funds have been appropriated, authorized or otherwise made available by law by giving written notice of termination to the Contractor.

16.3.2 Effects of Reduced Levels of Funding. If funding is reduced by law, or funds to pay the Contractor for the agreed to level of the products, services and functions to be provided by the Contractor under this Contract are not appropriated, authorized or otherwise made available by law, the City may,

upon seven (7) business days written notice to the Contractor, reduce the level of the products, services or functions in such manner and for such periods of time as the City may elect. The charges payable under this Contract shall be equitably adjusted to reflect such reduced level of products, services or functions and the parties shall be afforded the rights set forth in this Contract.

16.3.3 No Payment for Lost Profits. In no event shall the City be obligated to pay or otherwise compensate the Contractor for any lost or expected future profits.

16.4. Rights Upon Termination.

16.4.1 Termination for Cause. In the event the City terminates this Contract for cause, the Contractor shall relinquish to the City any applicable interest, title and ownership including, but not limited to, perpetual use of any proprietary rights in and to the products and deliverables delivered to, in possession of and properly invoiced and paid for by (except to the extent such invoiced amount is disputed) the City. Regarding third party products, the Contractor shall transfer all licenses which it is permitted to transfer in accordance with the applicable third-party license. The City shall have no financial obligation to compensate the Contractor for such terminated products unless payment is otherwise approved by the City prior to such termination. The Contractor shall be liable for costs incurred by the City, including but not limited to reasonable attorney fees and all court awarded fees and costs incurred in terminating this Contract in whole or in part.

16.4.2 Termination for Lack of Funding or Convenience. In the event of termination by the City for lack of funding or convenience, the City shall pay the Contractor for all labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc.(including any holdbacks) installed and delivered to the City as of the Termination Date and the Contractor shall relinquish to the City any applicable interest, title and ownership including, but not limited to perpetual use of any proprietary rights in and to said labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. delivered to, in possession of and paid for by the City (except to the extent any invoiced amount is disputed). The Contractor shall be required to exercise commercially reasonable efforts to mitigate damages. In the event of a termination for Lack of Funding or Convenience the City and the Contractor may negotiate a mutually acceptable payment to the Contractor for reasonable demobilization expenses. Said demobilization expenses, if any, shall be handled in accordance with the provision of this Contract pertaining to changes in the Project.

16.4.3 Assumption of Subcontracts. In the event of termination, the City shall have the right to assume, at its option, one or all subcontracts for products, services and functions provided exclusively under this Contract.

16.4.4 Delivery of Documents. In the event of termination, **(i)** the Contractor shall promptly deliver to the City, in a manner reasonably specified by the City, all documents and other tangible items furnished by, or owned, leased, or licensed by, the City, and **(ii)** the City shall pay the Contractor for all services performed and deliverables completed and accepted (pro-rated for deliverables partially completed) prior to the effective date of the termination (except to the extent any invoice amount is disputed).

17. Force Majeure. Contractor shall not be held responsible for delays nor be subject to liquidated damages when such delays are caused by conditions beyond its control, including without limitation:

17.1. Acts of God, fire, explosion, epidemic, cyclone, flood, war, strikes, revolution, civil commotion, or acts of public enemies; and

17.2. Change of law and order, proclamation, regulation, ordinance, or governmental requirement.

17.3. Upon cessation of work for reason of force majeure delays, Contractor shall use its best efforts to meet the schedule set forth in Section 5 of this Contract.

18. Subcontracting. The Contractor shall not, without the prior written approval of the City's Using Agency, subcontract, in whole or in part, any of the Contractor's services. Any subcontractor so approved shall be required to secure and maintain insurance coverage equal to or better than that required of the Contractor and shall name the City as an additional insured party and said subcontractors shall deliver to the City a certificate of insurance evidencing such coverages. All subcontractors shall comply with all Federal, State and local, laws, regulations and ordinances but such requirement shall not relieve the Contractor from its requirement that all services provided hereunder shall comply with all Federal, State and local, laws, regulations and ordinances.

18.1. The Contractor shall be as fully responsible to the City for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by the Contractor.

18.2. The Contractor is responsible for and shall control activities of its subcontractors, and the subcontractors shall consult and cooperate with one another and other contractors working on the Project site. Each subcontractor shall furnish all necessary information to other subcontractors and shall lay out and install its own work to avoid any delays or interferences with the work of another. Any cost for changes, cutting and/or repairing, made necessary by failure to observe the above requirements shall be borne by the Contractor or subcontractor responsible for such failure or neglect.

18.3. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove a subcontractor.

18.4. The Contractor shall make any payments to its subcontractors in accordance with all applicable State and Federal laws and regulations. At the City's sole discretion (but not obligation), it may require written proof that all prior periodic payments to subcontractors have been made prior to releasing any subsequent payments, including final payment.

19. Assignability. The Contractor shall not assign any interest in this Contract and shall not transfer any interest in the same (whether by assignment or novation) without the prior written approval of the City; provided, however, that claims for money due or to become due the Contractor from the City under this Contract may be assigned to a bank, trust, company, or other financial institution, or to a Trustee in Bankruptcy, without such approval. Notice of any such assignment or transfer shall be furnished promptly to the City.

20. Audit. The City reserves the right to audit the Contractor's books of account in relation to this Contract at any time during the period of this Contract or at any time during the twelve-month period immediately following the closing or termination of this Contract. In the event the City elects to make such an audit, the Contractor shall immediately make available to the City all records pertaining to this Contract, including, but not limited to, payroll records, bank statements and canceled checks.

21. Interest of City Officials. No member of the governing bodies of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the Project to which this Contract pertains, shall have any personal interest, direct or indirect, in this Contract.

22. Interest of Contractor. The Contractor covenants that it presently has no interest and shall not acquire any interest, direct or indirect, in the Project or any parcel of land therein or any other interest which would conflict in any manner or degree with the performance of its services hereunder. The Contractor further covenants that in the performance of this Contract no person having any such interest shall be employed.

23. Entire Contract. This Contract shall constitute the complete and exclusive statement of the contract between the parties as it relates to this transaction and supersedes all previous agreements and understandings, whether written or oral, relating to such subject matter. Any amendment to this Contract must be in writing and agreed to and executed by the City and the Contractor and must comply with the City's Charter and Code of Ordinances.

24. Independent Contractor Relationship. The relationship between the City and the Contractor is that of client and independent contractor. No agent, employee, or servant of the Contractor shall be deemed to be an employee, agent or servant of the City. The Contractor shall be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subcontractors during the performance of this Contract.

25. Severability. Whenever possible, each provision of this Contract shall be interpreted in such a manner as to be effective and valid under applicable law. If any provision of this Contract, however, is held to be prohibited or invalid under applicable law, such provision shall be deemed restated to reflect the original intentions of the parties, as nearly as possible in accordance with applicable law, and if capable of substantial performance, the remaining provisions of this Contract shall be enforced as if this Contract was entered into without an invalid provision. If the ruling and/or controlling principle of law or equity leading to the ruling is subsequently overruled, modified or amended by legislation, judicial or administrative action, then the provision(s) in question as originally set forth in this Contract shall be deemed valid and enforceable to the maximum extent permitted by the new controlling principal of law or equity.

26. Survival. Any provisions of this Contract that impose continuing obligations on the parties shall survive the expiration or termination of this Contract for any reason.

27. Changes in the Project: Change Orders.

27.1. Requests for Change Orders. The City reserves the right on its own volition or based upon a proposal for a Change Order submitted in written form with a thorough explanation by the Contractor, to request from time to time any changes to the requirements and specifications of this Contract and the products to be provided and the functions and services to be performed by the Contractor under this Contract. Such changes must be authorized by the City. The City will not approve of any change orders, deletions, additions, or additional work items to the Scope of Services or any change in the terms and conditions of this Contract except by means of a City authorized amended Scope of Services, applicable and restricted to those items set forth in §1, above, or Change Order issued as set forth in this section, except in the event of an emergency endangering life or property.

27.2. Procedures.

27.2.1 The Contractor's Response to a Change Request.

i. Within thirty (30) calendar days after receipt of a request by the City for any such change or such other period as the Parties may mutually agree to in writing, the Contractor shall submit to the City a proposal describing any changes in Contract Milestones or Contract completion dates, products, functions, timing of delivery, assignment of personnel, and the like, and any associated price adjustment. The Contractor's proposal shall describe, in detail, the basis for the proposed price adjustment, including the charges for any products required to implement the change request.

ii. To the extent that additional costs or cost savings result from a change in required products, the Contractor shall obtain any additional products and provide them to the City at a negotiated price acceptable to

the City and the Contractor. Similarly, if the change request is expected to result in a reduction in products required to perform the services, the Contractor's charges shall be reduced by the cost savings resulting from the products eliminated by the change request.

27.2.2 City's Acceptance of Change Request. If the City accepts the Contractor's proposal, the City shall issue a change order referencing the Contractor's proposal and both parties shall sign the change order. The Contractor shall not implement any change request until the City has issued a valid, properly executed, change order.

27.2.3 City's Rejection of Change Request. If the City does not accept the Contractor's proposal, the City may within two weeks of such non-acceptance: **(i)** withdraw its change request; or, **(ii)** modify its change request, in which case the procedures set forth above shall apply to the Contractor's response to the modified change request.

27.3. City Discretion. The City may, in its sole discretion, approve the proposed Change Order and shall forward same for additional signatures under the following conditions: **(i)** If it conforms to provisions of applicable laws, and **(ii)** if it is consistent with this Contract, and **(iii)** if the time of performance of this Contract will not be unreasonably delayed, **(iv)** the Final Completion date is not changed, **(v)** if the Change Order requires a change to the Final Completion date, such change has been authorized by an approved, executed, written Amendment to this Contract, and **(vii)** if the Change Order requires an increase in the price of the Contract, the City **(1)** has sufficient funds, and **(2)** if a budget transfer is required to cover the cost of the proposed Change Order, such transfer has secured the written approval of the Board of Aldermen and other required regulatory agencies.

27.4. Change Orders Governed by the Provisions of this Contract. All work performed under a Change Order is governed by the provisions of this Contract.

28. Conflicts or Disputes. This Contract represents the concurrence between the City and the Contractor and governs all disputes between them. In the instance of a conflict or dispute over issues not specifically referenced within the Contract, the following documents shall be used as historical documents, without regard to the order of precedence, to resolve such conflicts or disputes, as follows: **(i)** the City's **RFP Number 8226** and **(ii)** the Contractor's Bid response to **RFP Number 8226**, dated September 17, 2024. Said historical documents are attached hereto as part of **Attachment A.**

28.1. Procedure. This procedure supersedes all statements to the contrary occurring either in proposals or other prior agreements, oral or written, and all other communications between the parties relating to this subject.

28.2. Presumption. This Contract or any section thereof shall not be construed against any party because the Contract or any section thereof was drafted by such party.

29. Disputes; Legal Proceedings; Waiver of Trial by Jury and Continued Performance. The Contractor agrees that it waives a trial by jury as to all claims, causes of action or disputes arising out of this Contract or services to be provided pursuant to this Contract. Notwithstanding any such claim, dispute or legal action, the Contractor shall continue to perform services under this Contract in a timely manner, unless otherwise directed by the City.

30. Binding Contract. The City and the Contractor each bind themselves, and their successors, assigns and legal representatives to the other party to this Contract and to the successors, assigns and legal representatives of such other party with respect to all covenants of this Contract.

31. Waiver. Any waiver of the terms and conditions of this Contract by either of the parties hereto shall not be construed to be a waiver of any other term or condition of this Contract.

32. Governing Laws. This Contract, its terms and conditions and any claims arising there from shall be governed by the laws of the State of Connecticut.

33. Notice. Except as otherwise specifically prohibited in this Contract, whenever under this Contract approvals, authorizations, determinations, notices, satisfactions or waivers are required or permitted, such items shall be effective and valid only when given in writing signed by a duly authorized officer of the City or the Contractor, and delivered in hand or sent by mail, postage prepaid, to the party to whom it is directed, which until changed by written notice, are as follows:

Contractor:	A&J Generator and Equipment, LLC 103 Cheshire Road Prospect, CT 06712
City:	City of Waterbury City Hall 235 Grand Street Waterbury, CT 06702
With a copy to:	Waterbury Corporation Counsel's Office City of Waterbury City Hall 235 Grand Street Waterbury, CT 06702

34. City Code of Ordinances, Ethics and Conflict of Interest Code, Provisions. The Person (the term "Person" shall herein be as defined in Section 38 of the City's Code of Ordinances) supplying the labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. under this Contract shall comply with all applicable Federal, State and Municipal statutes, regulations, charters, ordinances, rules, etc, whether they are expressly stated in this Contract, including but not limited to the following:

34.1. It shall be a material breach of this Contract, and, except as may be permitted by regulations or rulings of the City of Waterbury Board of Ethics it shall be a violation of the City's Code of Ordinances, for any Public Official, City Employee or Member of a Board or Commission who is participating directly or indirectly in the procurement process as set forth in the City's Code of Ordinances, including those participating in exempt transactions, to become or be the employee of any person contracting with the governmental body by whom the Official, Employee, or Board or Commission member is employed or is a member.

34.2. It shall be a material breach of this Contract, and it shall be a violation of the City's Code of Ordinances for any Person to offer, give, or agree to give any current or former Public Official, Employee or Member of a Board or Commission, or for such current or former Public Official, Employee or Member of a Board or Commission to solicit, demand, accept or agree to accept from another Person, a gratuity or an offer of employment in connection with any: decision; approval; disapproval; recommendation; preparation of any part of a program requirement or a requisition; influencing the content of any specification or procurement standard; or rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a Contract or Purchase Order, or to any solicitation or proposal therefore.

34.3. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for any payment, Gratuity, or offer of employment to be made as an inducement for the award of a subcontract or order, by or on behalf of a subcontractor, the prime Contractor or higher tier subcontractor or any Person associated therewith, under a Contract or Purchase Order to the City.

34.4. The value of anything transferred or received in violation of the City's Charter, Code of Ordinances, and/or regulations promulgated there under, by any Person subject to said Charter and/or Ordinances may be recovered by the City.

34.5. Upon a showing that a subcontractor made a kickback to the City, a prime Contractor or a higher tier subcontractor in connection with the award of a subcontract or order there under, it shall be conclusively presumed that the amount thereof was included in the price of the subcontract or order and ultimately borne by the City and will be recoverable hereunder from the recipient. In addition, said value may also be recovered from the subcontractor making such kickbacks. Recovery from one offending party shall not preclude recovery from other offending parties.

34.6. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for a Person to be retained, or to retain a Person, to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee; and every Person, before being awarded a City Contract, shall deliver to the City, on a City authored form, a representation that such Person has not retained anyone in violation of this subsection 34.6, the failure to deliver said form being a material breach of this Contract and a violation of the City's Code of Ordinances. Note, however, this subsection 34.6 shall not apply to full-time Employees who, as a condition of their employment, may be entitled to bonuses or other fees in accordance with their employment relationship.

34.7. The Person hereby expressly represents that he/she/it has complied with those sections of the City's Code of Ordinances requiring that said Person has **(i)** delivered to the City an affidavit, on a City authored form, stating that the Person and its affiliates have no delinquent taxes or other financial obligations owned to the City; **(ii)** filed the City authored financial disclosure statement form as set forth in the City's Code of Ordinances regarding disclosure of financial interests; **(iii)** delivered to the City a written acknowledgement, on a City authored form, evidencing receipt of a copy of the "Ethics and Conflict of Interest" ordinance for the City of Waterbury and hereby expressly represents that said Person is in full compliance with the entirety of said Code of Ordinances; and **(iv)** filed a current list of all taxable personal and real property as required by the State of Connecticut General Statutes. Any violation of this subsection 34.7 shall be deemed a material breach of this Contract and shall be a violation of the City's Code of Ordinances.

34.8. The definitions set forth in the City's Code of Ordinances shall be the primary source for interpretation of the forgoing subsections 34.1-34.7.

34.9. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, all relevant provisions of the City's Charter and all relevant provisions of the City's Code of Ordinances, including without limitation Chapters 93, titled "Discriminatory Practices", Chapter 38 titled "Centralized Procurement System", and Chapter 39 titled "Ethics and Conflict of Interest", of said Code as may be amended from time to time.

34.10. The Contractor hereby acknowledges receipt of a copy of Chapters 38 and 39 of City's Ordinance regarding Procurement, Ethics, and Conflicts of Interest and has familiarized itself with said Code and hereby agrees to adhere to said Code. The text of Chapters 38 and 39 of said Code may be obtained from the Office of the City Clerk of the City and on the internet at the City Clerk's web site: *http://www.waterburyct.org/content/458/539/default.aspx* [click link titled "The City of Waterbury Code of Ordinances *Passed 8/24/2009*". For Chapter 38, click on **"TITLE III: ADMINISTRATION"**, then click **on "CHAPTER 38: CENTRALIZED PROCUREMENT SYSTEM"**. For Chapter 39, click on **"TITLE III: ADMINISTRATION"**, then click on **"CHAPTER 39: ETHICS AND CONFLICTS OF INTEREST"**].

34.11. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, the City's Ordinance Sections 34.15 through 34.99 entitled, "Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects," and the State of Connecticut Legislature's Special Act No. 01-1.

34.12. Every Person who conducts business with, contracts, with or provides commodities or services to the City, is charged with notice of the extent of the powers and authority, and the limitations thereon, of the Public Officials and Employees of the City, as set forth in the charter of the City, the Code of Ordinances and any Regulations or Policies pertaining thereto. In particular, and without implying any limitation as to its applicability, it applies to all Persons who participate in the procedures pertaining to the Centralized Procurement System as set forth in Chapter 38, and the Ethics and Conflict of Interest provisions set forth in Chapter 39 of the Code of Ordinances.

34.13. INTEREST OF CITY OFFICIALS. No member of the governing body of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the project, to which this agreement pertains, shall have any personal interest, direct or indirect, in this agreement.

34.14. PROHIBITION AGAINST CONTINGENCY FEES. The Contractor hereby represents that it has not retained anyone to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage or contingency fee.

34.15. FREEDOM OF INFORMATION ACT NOTICE. Pursuant to State statute, in the event the total compensation payable to the Contractor set forth in Section 6 of this Contract is greater than $2,500,000.00, the City is entitled to receive a copy of all Contractor records and files related to the performance of this Contract and those records and files are subject to the Freedom of Information Act ("the Act") and may be disclosed by the City pursuant to the Act.

35. Definitions. Whenever the following, words, terms, etc. appear in this Contract, the intent and meaning shall be as follows:

35.1. Additional Work: Work required by the City that involves a substantial addition to, deduction from or modification of the Contract Documents.

35.2. Bid or Proposal: The form on which the bidder is to submit a bid for the Work contemplated.

35.3. Bidder: A person, partnership, corporation or other business organization submitting a bid on the form for the Work contemplated.

35.4. City: The City of Waterbury, acting directly or through specifically authorized personnel.

35.5. Construction Supervisor: An employee of the City of Waterbury, or another City duly authorized person.

35.6. Contract Time: The number of days as stated in the Contract to: **(i)** achieve Substantial Completion and **(ii)** Final Completion.

35.7. Equal: The recognized equivalent in substance and function; considering quality, workmanship, economy of operation, durability and suitability for purposes intended, and not constituting a change in the Work specified. Whenever the words "equal" or "equals" or words of like import are used, it shall be understood they mean "equal" in the opinion of the City.

35.8. Final Completion: The time at which the Project has progressed to the point where, in the opinion of the City, the Project is complete such that it is ready for final payment as evidenced by the City's, or its duly authorized City representative's, written recommendation of final payment. The terms "finally complete" and "finally completed" as applied to the Project refer to Final Completion.

35.9. Notice to Proceed: A letter from the City which shall state the date of execution of the Contract and specifically advise the Contractor to begin work on the Contract.

35.10. Plans: All drawings or reproductions of drawings pertaining to the construction of the work contemplated and its appurtenances.

35.11. Project Engineer or Manager: An employee of the City or a person, partnership, corporation or other business organization under contract with the City, commissioned to perform construction administration and inspection duties during construction.

35.12. Shop Drawings: Drawings, diagrams, schedules, performance charts, brochures and other materials prepared by the Contractor or subcontractors, manufacturers or distributors which illustrate some portion of the work.

35.13. Specifications or Technical Specifications: The description, provisions and other requirements pertaining to the materials, methods and manner of performing the Project.

35.14. Subcontractor: A person, partnership, corporation or other business organization supplying labor and/or materials for work at the site of the Project to and under agreement with the Contractor.

35.15. Substantial Completion: The time at which, in the opinion of the Engineer, the Project (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Project (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Project mean Substantial Completion thereof.

35.16. Substitution: A replacement of specified material, device or equipment which is sufficiently different in substance, function, quality or workmanship to become the subject of a Change Order.

35.17. Supplementary General Conditions: An extension to the terms, conditions, and provisions set forth in this document as additional, material, provisions of this Contract.

35.18. Work: All plant, labor, materials, services, supplies, equipment and other facilities and items necessary for, or incidental to, the completion of the terms of the Contract.

35.19. Using Agency: School Inspector's Office, Department of Education.

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties hereto execute this Contract on the dates signed below.

WITNESSES:

_____

_____

CITY OF WATERBURY

By:_____
Paul K. Pernerewski, Jr., Mayor

Date: _____

WITNESSES:

_____

_____

A&J GENERATOR AND EQUIPMENT, LLC

By:_____
Anthony Boucher, duly authorized

Date: _____

ATTACHMENT A

ATTACHMENT B

KEVIN McCAFFERY
DIRECTOR OF PURCHASING



OFFICE OF THE DIRECTOR OF PURCHASING
THE CITY OF WATERBURY
CONNECTICUT

October 11, 2024

Anthony Boucher
A&J Generator and Equipment LLC
103 Cheshire Road
Prospect, CT 06712

RFP# 8226
Project: Multi-Year Generator Maintenance Services

Dear Mr. Boucher,

On behalf of the City of Waterbury I want to inform you that your firm has been selected for the above-mentioned City project. In order to contract with the City of Waterbury a written contract must be approved by the Corporation Counsel and all required City Boards.

You will be contacted in the immediate future by a member of our Legal Department.

Sincerely,

Maureen McCauley
Assistant Director of Purchasing

REQUEST FOR PROPOSAL NO. 8226
BY
THE CITY OF WATERBURY'S
DEPARTMENT OF EDUCATION
FOR
MULTI-YEAR GENERATOR MAINTENANCE SERVICES

A. Background and Intent

Pursuant to this Request for Proposal ("RFP"), the City of Waterbury by and through its Department of Education (collectively, the "City") is seeking proposals from qualified and experienced service providers (the "proposer" or "proposers", depending on context) for the maintenance and repair of certain of its emergency generators. As a critical component of its infrastructure, these generators ensure uninterrupted power supply during emergencies, ensuring the continuity of the City's educational operations.

B. Qualifications

Eligible proposers will be those consultants, businesses, and institutions that have the following qualifications:

1. Experience and expertise in regard to providing the types of or similar services as those outlined in the Scope of Services in this RFP;
2. A proposer with a proven track record in providing these types of or similar services for municipal governments; and
3. Knowledge of federal and State laws and regulations governing the services outlined in the scope of services.

C. Scope of Services

See <u>Attachment F</u>.

D. Agreement Period

The agreement period for any contract or purchase order resulting from this RFP is anticipated to be five (5) years from contract execution.

E. Insurance

The respondent shall provide insurance as set for in **<u>Attachment D</u>** provided by insurers, satisfactory to the City and authorized to do business in the State of Connecticut, an "A-" Best's Rating and at least a Class V3 or better financialcategory as shown in the most current A.M. Best Company ratings.

F. General Information

1. The City is an Equal Opportunity and Affirmative Action employer and does not discriminate in its hiring, employment, or business practices. The City is committed to complying with the Americans with Disabilities Act of 1990 ("ADA") and does not discriminate on the basis of disability, in admission to, access to, or operation of its programs, services, or activities.

2. Placeholder.

3. Proposers must complete and sign the items and any forms included in **Attachment A** - Contract Compliance Packet.

4. All questions and communications about this request for Proposal and submission requirements must be directed to the City of Waterbury ProcureWare website and must be received **by 2:00 PM on September 6, 2024**. Prospective proposers must limit their contact regarding this RFP to the Purchasing Director or such other person otherwise designated by the Purchasing Director. Responses to questions submitted by the above date or identified at any Information Session to be held in regard to this RFP, **along with any changes or amendments to this RFP**, will be available via the City of Waterbury ProcureWare website **by September 10, 2024, 2:00 PM**. It shall be the responsibility of the proposer to download this information. If you have any procedural questions in this regard, please call the Purchasing Director at (203) 574-6748.

G. Management

Any contract or purchase order resulting from this RFP will be managed by the School Inspector's Office.

H. Conditions

All those submitting proposals must be willing to adhere to the following conditions and must positively state this in the proposal:

1. All proposals in response to this RFP are to be the sole property of the City. Proposers are encouraged **not** to include in their proposals any information which is proprietary. All materials associated with this procurement process are subject to the terms of state laws defining freedom of information and privacy and all rules, regulations and interpretations resulting from those laws.

2. Any product, whether acceptable or unacceptable, developed under a contract awarded as a result of the RFP is to be the sole property of the City.

3. The timing and sequence of events resulting from this RFP will ultimately be determined by the City.

4. The proposer agrees that the proposal will remain valid for a period of **ninety (90) days** after the closing date for the submission and may be extended beyond that time by mutual agreement.

5. The City may amend the terms or cancel this RFP any time prior to the execution of a contract or purchase order for these services if the City deems it to be necessary, appropriate or otherwise in the best interests of the City. Failure to acknowledge receipt of amendments, in accordance with the instructions contained in the amendments, may result in a proposal not being considered. At his option, the City's Director of Purchasing may provide all proposers with a limited opportunity to remedy any technical deficiencies identified by the City in their initial review of proposals.

6. The proposer must certify that the personnel identified in its response to this RFP will be the persons actually assigned to the project. Any additions, deletions or changes in personnel from the proposal during the course of the agreement period must be approved by the City, with the exception of personnel who have terminated employment. Replacements for personnel who have terminated employment are subject to approval by the City. At its discretion, the City may require the removal and replacement of any of the proposer's personnel who do not perform adequately, regardless of whether they were previously approved by the City.

7. All subcontractors hired by the proposer awarded a contract or purchase order as a result of this RFP must have prior approval of the City prior to and during the agreement period.

8. Any costs and expenses incurred by proposers in preparing or submitting proposals are the sole responsibility of the proposer.

9. A proposer must be prepared to present evidence of experience, ability, financial standing, and any other information deemed necessary by the City to satisfactorily meet the requirements set forth or implied in the proposal.

10. No additions or changes to the original proposal will be allowed after submittal, except as may be allowed by the City, at its option, in accordance with Section H.5. of this RFP. While changes are not permitted, clarification of proposals may be required by the City at the proposer's sole cost and expense. The final price and scope of services of any contract or purchase order resulting from this RFP may be negotiated with responsible proposers.

11. The proposer may be required to give presentations to the extent necessary to satisfy the City's requirements or needs. In some cases, proposers may have to give presentations or further explanation to any RFP selection committee established by the City.

12. The proposer represents and warrants that the proposal is not made in connection with any other proposer and is in all respects fair and without collusion or fraud. The proposer further represents and warrants that it did not participate in any part of the RFP development process, had no knowledge of the specific contents of the RFP prior to its issuance, and that no agent, representative or employee of the City participated directly in the proposer's proposal preparation.

13. All responses to the RFP must conform to instruction. Failure to include any required signatures, provide the required number of copies, to meet deadlines, answer all questions, follow the requested format, or failure to comply with any other requirements of this RFP may be considered appropriate cause for rejection of the response.

14. The proposer must accept the City's standard agreement language. **See Attachment B**.

15. Any contract or purchase order resulting from this RFP process will represent the entire agreement between the proposer and the City and will supersede all prior negotiations, representations or agreements, alleged or made, between the parties. The City shall assume no liability for payment of services under the terms of the contract or purchase order until the successful proposer is notified that the contract or purchase order has been accepted and approved by the City. Any contract resulting from this RFP may be amended only by means of a written instrument signed by the proposer and signed by the Mayor.

I. Proposal Requirements & Required Format

One original (clearly identified as such) and **four (4)** paper copies of the proposal, as well as a copy of the original proposal in pdf format on a CD or flash drive, must be received at the following address no later than **10:30 AM on September 19, 2024. Proposals received after that time shall not be considered.**

Mr. Kevin McCaffery
Director of Purchasing
City of Waterbury
235 Grand Street
Room 103
Waterbury, CT 06702

Proposals submitted must be bound, paginated, indexed and numbered consecutively. Proposers shall complete **Attachment C** addressed to Mr. McCaffery, which, in part, includes a statement by the proposer accepting all terms and conditions and requirements contained in the RFP, and which shall be signed by a duly authorized official of the organization submitting the proposal. In **Attachment C**, proposers shall also identify the name of a contact person, along with their telephone

number, email address, if applicable, and address, who can be contacted for the purpose of clarifying the information contained in their response to this RFP. In addition to any other information required in **Attachment C**, proposers shall provide their firm's authorization and a request to any persons, firm, or corporation to furnish any information requested by the City of Waterbury in verification of the recitals included in its response to this RFP.

Proposals must set forth accurate and complete information for each of the items listed below. At the City's discretion, failure to do so could result in disqualification.

1. Proposer Information: Please provide the following information:

    a. Firm Name
    b. Permanent main office address
    c. Date firm organized.
    d. Legal Form of ownership. If a corporation, indicate where incorporated.
    e. How many years have you been engaged in services you provide under your present name?
    f. Names, titles, reporting relationships, and background and experience of the principal members of your organization, including officers.

2. Experience, Expertise and Capabilities.

    a. Philosophy Statement and Business Focus. A statement of the proposer's philosophy and approach in undertaking the services of the nature outlined in the RFP, as well as a description of its primary business focus.
    b. Summary of Relevant Experience. A listing of all projects that the proposer has completed within the last three (3) years must be provided, as well as all projects of a similar nature to those included in the Scope of Services in this RFP. The following information shall be provided for each organization listed under this subsection:
        - Organization name and the name, title, address and telephone number of a responsible contact person.
        - Nature of services and dates services started and actually completed. Please indicate, for each assignment, if it was completed within the original contract timeframe and budget. If not, please explain.
        - For each project done for a municipality or other government agency, please indicate the gross cost of the agreement.
        - Additionally, please list any contracts or purchase orders in the last three (3) years between the proposer and any agency of the City of Waterbury

    .

    c. Personnel Listing. A complete listing of the staff identified in the work plan by job classification, along with their resumes. Each resume shall include the individual's qualifications and experience in the subject area.

d. Conflict of Interest. Disclose any current (within the last 3 years) business, financial, personal or other types of relationships which may pose a conflict of interest.

3. Statement of Qualifications and Work Plan.

   a. Qualifications. Please describe your firm's qualifications, experience and capabilities as they pertain to each of the areas of qualifications listed, as well as those of the personnel to be assigned to this project.
   b. Work Plan. Please describe the approach that would be generally followed in undertaking the Scope of Services in Section C above.
   c. Services Expected of the City. Identify the nature and scope of the services that would be generally required of the City in undertaking these projects.

4. Cost Schedule. Proposals shall include a single price for work to be performed in accordance with this RFP, inclusive of all personnel and non-personnel expenses, as per Attachment E. This price should encompass the entire Scope of Services in this RFP. The City reserves the right to negotiate costs, scope of services, and key personnel based on provider proposals. In order for the City to evaluate the proposed cost, proposers must include for each element in the Work Plan outlined in Section I.3.b. above, the staff, hours, hourly rates and the total cost. Include details generally associated with non-personnel costs as an additional cost section.

   Since the City may desire to consider the proposer's experience, qualifications, statement of work, and other aspects of the RFP prior to the Cost Proposal, the Cost Proposal shall be sealed in a separate envelope marked "Confidential: Cost Proposal".

   Note: The City is exempt from the payment of excise, transportation and sales taxes imposed by the Federal Government and/or the State. Such taxes must not be included in prices.

5. Information Regarding: Failure to Complete Work, Default and Litigation.

   Please respond to the following questions:

   a. Have you ever failed to complete any work awarded to you? If so, where and why?
   b. Have you ever defaulted on a contract? If so, where and why?
   c. Is there any pending litigation which could affect your organization's ability to perform this agreement? If so, please describe.
   a. Has your firm ever had a contract terminated for cause within the past five years? If yes, provide details.
   b. Has your firm been named in a lawsuit related to errors and omissions within the past five years? If yes, provide details.

c. During the past seven years, has your firm ever filed for protection under the Federal bankruptcy laws? If yes, provide details.
d. Are there any other factors or information that could affect your firm's ability to provide the services being sought about which the City should be aware?

6. Exceptions and Alternatives. Proposers wishing to take any exceptions to any requirement in the RFP shall state and explain such exceptions. The City may accept proposals which take exception to any requirements in this RFP, or which offer any alternative to a requirement herein, as well as consider such exceptions and alternatives in evaluating responses. Any exception or alternative must be clearly delineated and cannot materially affect the substance of this Request for Proposals.

7. Additional Data. Any additional information which the proposer wishes to bring to the attention of the City relevant to this RFP.

J. Evaluation of Proposals; Selection Process

1. Evaluation Criteria.

The following criteria are expected to be among those utilized in the selection process. They are presented as a guide for the proposer in understanding the City's requirements and expectations for this project and are not necessarily all inclusive or presented in order of importance.

a. Proposed statement of work. Emphasis will be on grasp of the issues involved, soundness of approach and the quality of the overall proposal.

b. Proposed cost schedule.

c. Experience, expertise, and capabilities of the proposer. Background, qualifications, and previous experience of personnel to be assigned to the project and their demonstrated competence, experience and expertise in the type of work to be performed. The type of experience, expertise, capabilities, and qualifications desired are outlined in Section B. - Qualifications of this RFP. The City may contact one or more of the organization references listed in Section I.2.b. of this RFP as part of assessing the experience, expertise and capabilities of the proposers or those selected as the finalist(s).

d. Time, Project and Cost Schedule**.** Emphasis will be on the proposer's record with completing tasks and producing the necessary products within required time frames and within budget.

2. Selection Process.

The City of Waterbury may elect to have the proposals evaluated by a committee as part of the selection process. If deemed necessary, the City reserves the right

to arrange interviews/oral presentations as part of the selection process, which invitations for interviews may involve a short-listing of the proposals received.

K. Rights Reserved To The City

The City reserves the right to award in part, to reject any and all proposals in whole or in part for misrepresentation or if the proposer is in default of any prior City contract, or if the proposal limits or modifies any of the terms and conditions and/or specifications of the RFP. The City also reserves the right to waive technical defects, irregularities and omissions if, in its judgment, the best interest of the City will be served.

L. Federal, State and Local Employment Requirements

Contractors, if applicable, shall be obligated to fully comply with the attached Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects, i.e. City of Waterbury Ordinances Chapter 34 ("Good Jobs Ordinance "), Federal Davis- Bacon Act, Federal American Recovery and Reinvestment Act of 2009, and the Housing and Urban Development Section 3 Clause, all as further specified in the attached City of Waterbury Contract form. Also attached hereto, is a full copy of the aforesaid City of Waterbury Ordinance, commonly referred to as the "Good Jobs Ordinance ".

M. State Set-Aside Requirements - NOT APPLICABLE

i. The contractor who is selected to perform this municipal public works project, funded in whole or part by the State, must comply with **CONN. GEN. STAT.** §§ 4a-60, 4a-60a, 4a-60g, and 46a-68b through 46a-68f, inclusive, as amended by June 2015 Special Session Public Act 15-5. An Affirmative Action Plan must be filed with and approved by the Commission on Human Rights and Opportunities prior to the commencement of construction.

ii. State law requires a minimum of twenty-five (25%) percent of the state-funded portion of the contract be set aside for award to subcontractors holding current certification from the Connecticut Department of Administrative Services ("DAS") under the provisions of **CONN. GEN. STAT.** § 4a-60g. (25% of the total state-funded value with DAS-certified Small Businesses and 6.25% of the total state-funded value with DAS-certified Minority-, Women-, and/or Disabled-owned Businesses.) The contractor must demonstrate good faith in making an effort to meet the 25% set-aside goals.

iii. For municipal public works contracts, the contractor must file a written or electronic non-discrimination certification with the Commission on Human Rights and Opportunities. Forms can be found at https://portal.ct.gov/chro/contract-compliance/contract-compliance/contract-compliance-forms-and-reports

N. State DAS Requirements for Construction Projects – NOT APPLICABLE

If applicable, proposers shall submit with their proposals their DAS Contractor Prequalification Certificate along with a current Updated Bid/Proposal Statement. In addition, any named subcontractor whose subcontract value is equal to or greater than $500,000 shall hold a current DAS Contractor Prequalification Certificate in the closest applicable Classification of the work that the subcontractor will complete in the contract. The proposer must submit with their proposal all applicable Subcontractor DAS Prequalification certificates. Any proposal submitted without a copy of the DAS Prequalification Certificate and an Updated Bid/Proposal Statement for the proposal and DAS Prequalification Certificates for subcontractors whose subcontract value is equal to or greater than $500,000 shall be invalid.

The successful proposer and each of its subcontractors having subcontracts in value equal to or greater than $500,000 shall maintain and keep current their respective DAS Contractor Prequalification Certificates at all times during the term of the Contract and any warranty period set forth in the Contract Documents.

O. Bid Bond - NOT APPLICABLE

Each Proposal with a total cost greater than fifty thousand dollars ($50,000.00) submitted shall be accompanied by a Proposal Security (a Certified Check or Bid Bond) in the amount of **ten (10) percent** of the Total Proposal Price.

P. Performance/Payment Bonds - NOT APPLICABLE

The proposer to whom a contract is offered must furnish to the City, if that contract has a total cost greater than fifty thousand dollars ($50,000.00), a one hundred (100) percent performance bond with a surety, and in a form, acceptable to the City. In the City's sole discretion, it may also require a one hundred (100) percent payment bond and/or other additional security with a surety, and in a form, acceptable to the City.

Attachment A Documents

- ANNUAL STATEMENT OF FINANCIAL INTEREST
- DEBARMENT CERTIFICATION
- CITY OF WATERBURY DISCLOSURE OF OUTSTANDING OBLIGATIONS
- CORPORATE RESOLUTION
- LLC RESOLUTION

FILL IN AND RETURN WITH YOUR SUBMISSION

CITY OF WATERBURY
ANNUAL STATEMENT OF FINANCIAL INTERESTS (Calendar Year 202__)
Persons or Entities Conducting Business with the City

I. Outstanding Purchase Orders of Contracts with the City

A. Contracts

No Contracts with the City ☐

(Service or Commodity Covered by Contract)

(Term of Contract)

(Service or Commodity Covered by Contract)

(Term of Contract)

(Service or Commodity Covered by Contract)

(Term of Contract)

FILL IN AND RETURN WITH YOUR SUBMISSION

CITY OF WATERBURY
ANNUAL STATEMENT OF FINANCIAL INTERESTS (Calendar Year 202__)
Persons or Entities Conducting Business with the City

B. Purchase Order(s).

No Purchase Order(s) with the City ☐

(Service or Commodity Covered by Purchase Order)

(Date of Purchase Order)

(Service or Commodity Covered by Purchase Order)

(Date of Purchase Order)

(Service or Commodity Covered by Purchase Order)

(Date of Purchase Order)

FILL IN AND RETURN WITH YOUR SUBMISSION

CITY OF WATERBURY
ANNUAL STATEMENT OF FINANCIAL INTERESTS (Calendar Year 202__)
Persons or Entities Conducting Business with the City

II. Financial Interest Disclosure

(Public Officials, Employees or Board and Commission Members with interest in Person or Entity Conducting Business with the City)

No Officials, Employees or Board and Commission Members with Financial Interest ☐

(Name of Official)

(Position with City)

(Nature of Business Interest)
(e.g. Owner, Director etc…)

Interest Held By:
Self ☐ Spouse ☐ Joint ☐ Child ☐

(Name of Official)

(Position with City)

(Nature of Business Interest)
(e.g. Owner, Director etc…)

Interest Held By:
Self ☐ Spouse ☐ Joint ☐ Child ☐

FILL IN AND RETURN WITH YOUR SUBMISSION

1. I certify that this Annual Statement of Financial Interests is a complete and accurate statement of those matter required to be disclosed by me pursuant to §39.061 of the Code of Ordinances.

2. I understand that if I fail to file an Annual Statement (or amendment thereto) or an inaccurate Statement I will be in violation with Chapter 39 of the Code of Ordinance and, thereby, subject to the remedies set forth in §§38.71 and 39.101 of said Code.

3. I understand that I must file with the City Clerk, within fifteen (15) days following any reportable occurrence, any amendments to the Annual Statement.

I have read and agree to the above certification.

_____
(Name of Company, if applicable)

_____ _____
Signature of Individual (or Authorized Signatory) Date

_____
Print or Type Name and Title (if applicable)

DELIVERED | By Mail ☐ Hand-Delivered ☐

FILL IN AND RETURN WITH YOUR SUBMISSION

City of Waterbury Certification
Regarding
Debarment, Suspension, Ineligibility and Exclusion

If the transaction is Federally funded, in whole or in part (including pass through grants to state and/or municipal government), this certification is required by the regulations implementing one or more Presidential Executive Orders. If this transaction is funded by the State of Connecticut, in whole or in part, this certification is required in accordance with one or more State of Connecticut general statutes.

1. By signing and submitting the attached proposal and/or this document, the prospective lower tier participant, vendor, or contractor is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant, vendor, or contractor knowingly rendered an erroneous certification, in addition to other remedies available to the Federal , State, or City government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant, vendor or contractor shall provide immediate written notice to the person to which the attached proposal and/or this document is submitted if at any time the prospective lower tier participant, vendor or contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction", "debarred", "suspended", "ineligible", "lower tier covered transaction", "participant", "person", "primary covered transaction", "principal", "proposal", and "voluntarily excluded", as used herein, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549 and/or State of Connecticut statutes and regulations. You may contact the person to which this proposal and/or this document is submitted for assistance in obtaining a copy of the foregoing.
5. The prospective lower tier participant, vendor or contractor agrees by submitting the attached proposal and/or this document that, should the proposed covered transaction be entered into, it shall not knowingly enter into any covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant, vendor or contractor further agrees by submitting the attached proposal and/or this document that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions", without modification, in all covered transaction and in all solicitations for covered transactions.
7. A participant in a covered transaction may rely upon the certification of a prospective participant in a covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may but is not required to, check the Non-procurement List.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required herein. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 herein, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal, State or Municipal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification

(1) The prospective recipient of monies hereby certifies, by submission of its attached proposal and/or by execution of this document, that neither it nor its principles are presently debarred, suspended, proposed for debarment, declared ineligible, disqualified, or voluntarily excluded from bidding or participation in the proposed transaction by any Federal, State, or Municipal department or agency or by the statutes, regulations or ordinances of the foregoing departments and agencies.

(2) Where the prospective recipient of monies is unable to certify to any of the statements in this certification, such prospective participant shall attach a written explanation hereto.

Full Legal Name and address of Recipient, Vendor, or Contractor: _____
_____
_____.

Print Name and Title of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

FILL IN AND RETURN WITH YOUR SUBMISSION

CITY OF WATERBURY
DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

For the purposes of this Disclosure of Outstanding Financial Obligations, the following definitions apply:

(a) "Contract" means any Public Contract as defined below.

(b) "Person" means one (1) or more individuals, partnerships, corporations, associations, or joint ventures.

(c) "Public Contract" means any agreement or formal commitment entered into by the city to expend funds in return for work, labor, services, supplies, equipment, materials or any combination of the foregoing, or any lease, lease by way of concession, concession agreement, permit, or per agreement whereby the city leases, grants or demises property belonging to the city, or otherwise grants a right of privilege to occupy or to use said property of the city.

(d) "City" means any official agency, board, authority, department office, or other subdivision of the City of Waterbury.

State of_____

SS.:_____

County of_____

_____, being first duly sworn, deposes and says that:

1. I am the ***owner, partner, officer, representative, agent or*** _____ of _____(Contractor's Name), the Contractor that has submitted the attached agreement.

2. I am fully informed respecting the preparation and contents of the attached Agreement and of all pertinent circumstances respecting such Agreement;

3. That as a person desiring to contract with the City (check all that apply):

____ The Contractor and each owner, partner, officer, representative, agent or affiliate of the Contractor has filed a list of taxable personal property with the City of Waterbury for the most recent grand list, as required by Conn. Gen. Stat. §12-42.

____ Neither the Contractor nor any owner, partner, officer, representative, agent or affiliate of the Contractor are required to file a list of taxable personal property with the City of Waterbury for the most recent grand list, as required by Conn. Gen. Stat. §12-42.

____ Neither the Contractor nor any owner, partner, officer, representative, agent or affiliate of the Contractor either directly or through a lease agreement, owes back taxes to the City of Waterbury

FILL IN AND RETURN WITH YOUR SUBMISSION

CITY OF WATERBURY
DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

____ Neither the Contractor nor any owner, partner, officer, representative, agent or affiliate of the Contractor either directly or through a lease agreement, has any other outstanding obligations to the City of Waterbury

4. The following list is a list of the names of all persons affiliated with the business of the Contractor, if none state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	Affiliated Company (if none state NONE)	Service or Material	DOB
1				
2				
3				
4				

5. That as a person desiring to contract with the City:

(a) The Contractor or an owner, partner, officer, representative, agent or affiliate of the Contractor provides, or has provided, services or materials to the City within one (1) year prior to the date of this disclosure, if none, state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	Affiliated Company (if none state NONE)	Service or Material	DOB
1				
2				
3				
4				

(b) The Contractor possesses an ownership interest in the following business organizations, if none, state none. Use additional sheet if necessary (Must be on company letterhead and notarized) :

Organization Name	Address	Type of Ownership
1		
2		
3		
4		

(c) The following persons possess an ownership interest in the Contractor. If the Contractor is a corporation, list all of the officers of the corporation and the names of each stockholder whose shares exceed twenty-five

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CITY OF WATERBURY

DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

(25) percent of the outstanding stock, if none, state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	DOB	Stock %
1			
2			
3			
4			

(d) Of the following of the affiliates, individuals or business entities identified in this affidavit, list each that owns, owned, or within one (1) year prior to the date of this disclosure has owned, taxable property situated in the City of Waterbury, if none state none. Use additional sheet if necessary (Must be on company letterhead and notarized):

Name	Title	Affiliated Company (if none state NONE)	Address	DOB
1				
2				
3				
4				

(e) If the Contractor conducts business under a trade name, the following additional information is required: the place where such entity is incorporated or is registered to conduct such business; and the address of its principal place of business, if none, state none:

TRADE NAME	PLACE OF INCORPORATION/REGISTRY	PRINCIPAL PLACE OF BUSINESS
1		
2		
3		
4		

I hereby certify that the statements set forth above are true and complete, and I understand that any incorrect information or omission of information from this affidavit may result in the immediate termination of the Contractor's agreement with the City of Waterbury.

For Partnership/Sole Proprietor

In presence of:

_____ _____

Witness Name of Partnership/Business

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CITY OF WATERBURY
DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

By: _____
Name of General Partner/ Sole Proprietor

_____
Address of Business

State of _____)

) SS

County of _____)

_____ being duly sworn,

Deposes and says that he/she is _____ of _____ and that he/she answers to the foregoing questions and all statements therein are true and correct.

Subscribed and sworn to before me this _____ day of _____ 202_.

_____
(Notary Public)

My Commission Expires: _____

For Corporation

_____ _____
Witness Name of Corporate Signatory

_____
Address of Business

Affix
Corporate
Seal

By:_____
Name of Authorized Corporate Officer

Its:_____
Title

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CITY OF WATERBURY
DISCLOSURE AND CERTIFICATION AFFIDAVIT REGARDING OUTSTANDING OBLIGATIONS TO THE CITY OF WATERBURY

State of _____)

) SS

County of _____)

_____ being duly sworn,

deposes and says that he/she is _____ of _____ and that he/she answers to the foregoing questions and all statements therein are true and correct.

Subscribed and sworn to before me this _____ day of _____ 202__.

_____
(Notary Public)

My Commission Expires: _____

CORPORATE RESOLUTION

I, _____, hereby certify that I am the duly elected and acting Secretary of _____, a corporation organized and existing under the laws of the State of _____, do hereby certify that the following facts are true and were taken from the records of said corporation.

The following resolution was adopted at a meeting of the corporation duly held on the _____ day of _____, _____.

"It is hereby resolved that _____ is authorized to make, execute and approve, on behalf of this corporation, any and all contracts or amendments thereof".

And I do further certify that the above resolution has not been in any way altered, amended, repealed and is now in full force and effect.

IN WITNESS WHEREOF, I hereunto set my hand and affix the corporate seal of said _____ corporation this _____ day of _____, 202__.

_____
Secretary

TO BE SIGNED ON DATE OF CONTRACT EXECUTION

LIMITED LIABILTY COMPANY RESOLUTION

I, _____, hereby certify that I am the duly authorized and acting Member / Manager (circle one) of_____, a limited liability company organized and existing under the laws of the State of_____, do hereby certify that the following facts are true and were taken from the records of said LLC.

The following resolution was adopted at a meeting of the LLC duly held on the _____ day of _____, _____.

"It is hereby resolved that _____is authorized to make, execute and approve, on behalf of this LLC, any and all contracts or amendments thereof".

And I do further certify that the above resolution has not been in any way altered, amended, repealed and is now in full force and effect.

IN WITNESS WHEREOF, I hereunto set my hand and affix the company seal of said _____ , LLC this _____ day of _____, 202__.

_____
Manager/Member

.

TO BE SIGNED ON DATE OF CONTRACT EXECUTION

Attachment B Document

- SAMPLE CONTRACT

Contract
for
Generator Maintenance Services
between
City of Waterbury
and

_____

THIS CONTRACT, effective on the date signed by the Mayor, is by and between the **CITY OF WATERBURY**, City Hall, 235 Grand Street, Waterbury, Connecticut (the "City") and _____, located at _____, Connecticut _____, a _____ (the "Contractor").

WHEREAS the Contractor submitted a bid to the City in response to **Request for Proposal ("RFP") No. 8226** regarding generator inspection and maintenance services on behalf of the City's Department of Education at certain of its schools (the "Project");

WHEREAS the City accepted the Contractor's bid for **RFP No. 8226**; and

WHEREAS the City desires to obtain the Contractor's services pursuant to the terms set forth in this Contract.

NOW THEREFORE, THE PARTIES AGREE AND COVENANT AS FOLLOWS:

1. Scope of Services. The Contractor shall furnish all the labor, services, equipment, materials, supplies, transportation, and incidentals necessary to complete the Project as specified in this agreement (also referred to herein as the "Contract") and such shall be completed in a satisfactory manner, as reasonably determined by the City. All labor, services, equipment, materials, supplies, transportation, and incidentals shall comply with **(i)** all applicable local, state and federal laws, statutes, ordinances, rules and regulations, including without limitation all notice requirements thereunder, and **(ii)** generally accepted professional standards.

1.1. The Project consists of providing generator inspection, maintenance and on-call repair services at City schools -- all as more particularly detailed and described in the Bid Documents in **Attachments A**, which is attached hereto and made a material part hereof. **Attachment A** consists of the following, which are attached hereto, are acknowledged by the Contractor as having been received, or otherwise hereby incorporated by reference as noted below, and all are made a part hereof:

1.1.1 City's **RFP No. 8226**, incorporated by reference;
1.1.2 Addendums __ and __ to **RFP No. 8226** (attached hereto);
1.1.3 Contractor's Price Proposal, dated _____, consisting of ___ page (attached hereto);

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1.1.4 Contractor's Response with associated attachments to **RFP No. 8226**, dated _____ , consisting of __ pages, (attached hereto);

1.1.5 All applicable Federal, State and local statutes, regulations charter and ordinances (incorporated by reference);

1.1.6 City of Waterbury, Board of Education, **RFP No. 8226**, Scope of Services;

1.1.7 Contractor's Certificate of Insurance (attached hereto, or otherwise incorporated by reference);

1.1.8 All amendment(s) and Change Orders issued by the City after execution of Contract (incorporated by reference); and

1.1.9 All applicable permits and licenses (incorporated by reference).

1.2. The entirety of **Attachment A** plus this executed instrument are together deemed the Contract Documents (hereinafter collectively referred to as "Contract Documents"). The City's record copy of the Contract Documents shall control and shall be effective and binding on the Contractor. If any provision in the Contract Documents conflict with any other provision therein, the provision in the component part of the Contract Document first enumerated below shall govern over any other component part which follows it numerically:

1.2.1 All applicable Federal, State, and local laws, regulations, charter and ordinances;

1.2.2 Amendment(s) and Change Orders;

1.2.3 This Contract;

1.2.4 Addendums to **RFP No. 8226**, if any;

1.2.5 **RFP No. 8226** including City of Waterbury, Board of Education, **RFP No. 8226** Scope of Services;

1.2.6 Contractor's Price Proposal; and

1.2.7 Contractor's Response.

2. Representations Regarding Qualification and Accreditation. The Contractor represents that its employees are licensed to perform the scope of work set forth in this Contract. The Contractor further represents that its employees have the requisite skill, expertise and knowledge necessary to perform the scope of work required under the terms of this Contract, including any supplementary work and the City relies upon Contractor's representations.

2.1. Representations regarding Personnel. The Contractor represents that it has, or will secure at its own expense, all personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, unless the use of City employees or of personnel having a contractual relationship with the City is approved in writing. As set forth above, all the services required hereunder shall be performed by the Contractor or under its supervision and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under state or local law to perform such services.

2.2. Representations regarding Qualifications. The Consultant hereby represents that, to the extent required by Federal, State and Local statutes, regulations, codes,

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ordinances, and policies, that the Consultant and/or its employees be licensed, certified, registered, or otherwise qualified, the Consultant and all employees providing services under this Contract, are in full compliance with those statutes, regulations and ordinances. Upon City request, the Consultant shall provide to the City a copy of the Consultant's licenses, certifications, registrations, etc.

3. Responsibilities of the Contractor. The Contractor agrees to properly implement the services required in the manner herein provided. The Contractor shall, in addition to any other responsibilities set forth in this Contract and the Schedules and Attachments hereto, perform the following coincident with the performance of this Contract:

3.1. Due Diligence Obligation. The Contractor acknowledges its responsibility to examine and to be thoroughly familiar with the City's bid document, including, but not limited to the plans, specifications, drawings and any addenda thereto. The Contractor hereby warrants and represents that prior to the submission of its proposal during the bid process it reviewed or was afforded opportunity, by the City, to review all physical items, facilities, services and functions essential to the satisfactory performance of the services required ("Due Diligence") and thereby certifies that all such items, facilities, services and functions are included in this Contract and thereby warrants that:

3.1.1 it conducted or had opportunity to conduct all due diligence prior to the submission of its bid and, accordingly, any additional costs, services or products resulting from the failure of the Contractor to complete Due Diligence prior to submission of its bid proposal shall be borne by the Contractor. Furthermore, the Contractor had the opportunity during the bid process to ask questions it saw fit and to review the responses from the City;

3.1.2 its failure or omission to make investigation and verification of data shall, in no way, be cause for future claim of ignorance of such data or conditions nor shall such failure to investigate and verify be the basis for any claim whatsoever, monetary or otherwise;

3.1.3 it is solely responsible for resolving any issues resulting from its failure to conduct due diligence and it shall assume all resulting costs it incurs during the Project;

3.1.4 it was responsible for specifying any changes and disclosing any associated new costs prior to submittal of its bid. In the event the Contractor failed to disclose any such new cost prior to the submittal of its bid, the Contractor hereby covenants that it shall remain solely responsible for, and shall absorb, those non-disclosed costs;

3.1.5 it has familiarized itself with the nature and extent of the Contract Documents, Project, locality, and with all local conditions and Federal, State and local laws, ordinances, rules and regulations that in any manner may affect cost, progress or performance of the Project;

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3.1.6 it has given the City written notice of any conflict, error or discrepancy that the Contractor discovered in the City's bid documents and other documents for **RFP Number 8226** (collectively, the "Bid Documents");

3.1.7. it agrees that the Bid Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Project;

3.1.8. it has carefully studied all reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the Scope of Services which were utilized in the preparation of the plans and specifications;

3.1.9 it has made or caused to be made examinations, investigations, measurements and tests and studies of any applicable reports and related data as it deems necessary for ensuring performance of the Scope of Services at the Contract Price within the Contract Time and in accordance with the other terms and conditions of the Contracts; and certifies no additional examinations, investigations, tests, reports or similar data are or will be required by Contractor for such purposes; and

3.1.10 The Contractor shall not take advantage of any obvious error or apparent discrepancy in the Contract. Notice of any error or discrepancy discovered shall be given immediately in writing to the City, who shall make such corrections and interpretations as it may deem necessary for the completion of the Project in a satisfactory and acceptable manner.

3.2. Safety. Contractor shall perform all work in a safe manner in full compliance with local, state and federal health and safety regulations. Contractor shall immediately correct any dangerous condition caused by or resulting from its work. If it fails to correct, or to act diligently to correct, any condition which the City reasonably believes to be a hazard to persons or property, then immediately upon oral or written notice to any supervisory or similar personnel of Contractor, City may, but shall not be required to, correct same at Contractor's expense. City shall Contractor in writing any oral notice given within five (5) business days thereafter.

3.3. Storage. In the event the Project site has insufficient, inadequate, and/or improper storage space, it shall be the responsibility of the Contractor to secure, provide and maintain at the Contractor's sole cost and expense **(i)** adequate off-site storage space for equipment, materials, incidentals, etc., and **(ii)** all associated delivery and transportation services. In either event, the Contractor shall assume full responsibility for equipment, materials, incidentals, etc. until both title and risk of loss pass to the City pursuant to Section 8 of this Contract.

3.4. Working Hours. To the extent the Contractor is required to be on City property to render the Contractor's services hereunder, the Contractor shall coordinate its schedule so that work on and at the Project site is performed during the hours of

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

8:00 a.m. to 4:00 p.m. Monday through Friday, unless more exactly specified elsewhere in this Contract or **Attachment A** or unless prior written permission is obtained from the City to work during other times. This provision shall not excuse the Contractor from timely performance under the Contract.

3.5. Cleaning Up. The Contractor shall always keep the Project site free from accumulation of waste materials or rubbish caused by Contractor's employees or subcontractors, and at the completion of the work shall remove all rubbish from and about the Project and all tools, scaffolding and surplus materials and shall leave the Project site "broom clean" or its equivalent, unless more exactly specified. In case of dispute, the City may remove the rubbish and charge the cost to the Contractor.

3.6. Publicity. Contractor agrees not to deliberately disclose the fact that the City has entered into or terminated this Contract or disclose any of the terms of the Contract or use the City's name in connection with any publicity unless the City gives prior written consent to such use of the City's name in each instance.

3.7. Standard of Performance. All Contractor labor, materials, supplies, components, equipment, reports, plans, specifications, drawings, deliverables, incidentals, etc., required to be furnished or delivered under this Contract shall conform in all respects with the requirements set forth in this Contract and shall meet or exceed those standards generally recognized in the Contractor's craft and trade in the State of Connecticut. City specified manufacturer and/or brand name substitution desired by the Contractor shall be made only with the prior written consent of an authorized representative of the City's Using Agency.

3.7.1 In carrying out the Project, the Contractor must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor, nor with the normal routine of the institution or agency operating at the Project site.

3.8. Contractor's Employees. The Contractor shall always enforce strict discipline and good order among its employees and shall not employ on the work any unfit person or anyone not skilled in the work assigned. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove any Contractor employee expressly named, identified or required in this Contract.

3.9. Subsurface/Unknown Site Conditions. If Project site conditions are encountered which are **(i)** subsurface or otherwise concealed physical conditions or other conditions which differ materially from those indicated in the Contract Documents, or **(ii)** unknown conditions of an unusual nature which differ materially from those ordinarily found to exist and generally recognized as inherent or common in construction activities of the character provided for in this Contract, then prompt notice by the observing party shall be given to the other party to this Contract before Project site conditions may be disturbed; the Contractor shall thereafter wait for written instructions from the City before proceeding under such conditions.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

3.10. Surveys. All surveys required under this Contract shall be performed by a State of Connecticut duly licensed land surveyor. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall perform all layout work, all field measurements and all construction staking required, necessary or prudent for the satisfactory prosecution of the Contractor's obligations under this Contract.

3.11. Permits and Licenses. Unless expressly stated to the contrary in Section 1 of this Contract and **Attachment A**, the Contractor shall secure and obtain all permits and all licenses required, or necessary, or prudent for the performance of the Contractor's obligations under this Contract., and for the City's occupancy, use, and operation of the Project.

3.12. Manufacturer's Directions. Where it is required in this Contract that materials, products, processes, equipment or the like be installed or applied in accord with manufacturer's directions, specifications or instructions, it shall be construed to mean that the said application or installation by the Contractor shall be in strict accord with printed instructions furnished by the manufacturer of the material concerned for use under conditions like those at the Project site. One (1) copy of such instructions shall be furnished to the City.

3.13. Review by the City. The Contractor shall permit the City and the City's duly authorized representatives and agents to review, at any time, all work performed under the terms of this Contract at any stage of the Project.

3.14. Records Maintenance. The Contractor shall maintain or cause to be maintained all records, books or other documents relative to charges, costs, expenses, fees, alleged breaches of the Contract, settlement of claims or any other matter pertaining to the Contractor's demand for payment.

3.15. Activities, Work, and Services Performed in Department of Education Facilities, on School Grounds, at Student Sporting Events, and/or where City Students are Present. For all activities in school facilities and/or Department of Education facilities, the Contractor shall first be required to coordinate all on-site visits and activities with the appropriate Department/personnel in Education, or the designated person and shall obtain any necessary clearance, ID badges, etc. Contractor shall enter and exit all school facilities and Department of Educational facilities as designated as authorized by the appropriate Department/personnel in Education, or the designated person.

3.16. Criminal Background Check and DCF Registry Check. The Contractor shall comply with the requirements of C.G.S. 10-222 c (g) and shall ensure, and represents to the City, that any employee who will be on school grounds/Department of Education Property/at Department of Education events and/or where City students are present, that will or may have direct contact with a student's while providing services pursuant to this Agreement, has stated, in writing, whether such person has ever been convicted of a crime or whether criminal charges were ever pending against such

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person. The Contractor shall further ensure, and represents to the City, that any person who will have direct contact with a student has submitted to a records check of the Department of Children and Families Child Abuse and Neglect Registry established pursuant to Conn. Gen. Stat. §17a-101k, as well as State and National criminal history records checks conducted in accordance with Conn. Gen. Stat. §29-17a, the Federal National Child Protection Act of 1993, and the Federal Volunteers for Children Act of 1998. The Contractor shall not permit any person with a disqualifying criminal history to have contact with a student. The contractor agrees the "direct contact" shall include the contractor and its employees providing services under this contract if said services are performed on school grounds/Department of Education Property/at Department of Education events and/or where City students are present.

4. Responsibilities of the City and City Reservation of Rights. Upon the City's receipt of Contractor's written request for specific information, the City will provide the Contractor with existing documents, data and other materials the City agrees are necessary and appropriate to the services to be performed by the Contractor hereunder and the City will endeavor to secure, where feasible and where the City agrees it is necessary and appropriate, materials or information from other sources requested by the Contractor for the purpose of carrying out the services under this Contract.

4.1. The City may, in its sole discretion, designate person(s) to act as the City's Project Engineer(s) and/or Manager(s) and the City may, in its sole discretion, define such person(s) authority and responsibilities.

4.2. The City reserves the right to **(i)** perform work related or unrelated to the Project with the City's own forces adjoining, adjacent to, or in the vicinity of, the Project site and/or **(ii)** let separate contracts related or unrelated to the Project for work and services adjoining, adjacent to, or in the vicinity of, the Project site. In such an event, the Contractor shall afford all such parties reasonable opportunity for storage of materials and equipment and for the uninterrupted provision and delivery of such parties' work and/or services. The Contractor shall cooperate with such parties and in the case of a dispute, the decision of the City shall be complied with by all.

5. Contract Time. The term of this Contract shall be five (5) years from its effective date ("Contract Time").

5.1. Attached hereto as **Attachment B**, is the Project's schedule. On a monthly basis, the Contractor shall deliver to the City a written status report setting forth an analysis and critique of the Contractor's compliance with said schedule.

5.2. Delay Damages.

5.2.1 Time is and shall be of the essence for all Project performance obligations. The Contractor further agrees that the Project shall be prosecuted regularly and diligently. It is expressly understood and agreed, by and between the Contractor and City, that the performance obligations' timing is reasonable for the Project.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

5.2.1.1 The Contractor shall pay to the City the sum of the greater of **Five Hundred and 00/100 Dollars ($500)** per consecutive calendar day for each calendar day for which the Contractor is in default in completing the work as required by this Agreement, or the actual damages incurred by the City caused by the delay. The preceding sum is hereby agreed upon not as a penalty, but as delay damages for the delay that the City shall suffer due to such default.

5.2.1.2 The City shall have the right to recover all damages pursuant to any remedy at law or equity including but not limited to deducting the amount of any such damages from any monies due to the Contractor under this Contract. The Contractor understands that if the entire Work or of any portion of the Work that the City has agreed to accept separately, if any, is not attained by the applicable completion dates as set forth in the entire Section 5, the City will suffer damages, which are difficult to specify accurately and ascertain. Delay damages based upon delay shall be assessed to compensate the City for all actual loss sustained by the delay, including, but not limited to, loss of use, increased cost of material or services to complete the project, loss of State funding, all other another actual expense, and all other damages allowed by law, including attorney's fees.

5.3. No Damage for Delay. In no event shall the Contractor be entitled to any compensation or recovery of any damages in connection with any Delay, including, without limitation, consequential damages, lost opportunity damages, attorney's fees or other, similar remuneration. The City's exercise of any of its rights or remedies under the Contract Documents, including without limitation, ordering changes in the Work, or directing suspension, rescheduling or correction of the Work, regardless of the extent or frequency of the City's exercise of these rights has been contemplated by the parties and shall not be construed as an exception.

6. Compensation. The City shall compensate the Contractor for satisfactory provision of all the goods and services set forth in this Contract as follows in this Section 6. No claims for additional compensation will be considered for conditions made known to the Contractor prior to bidding. No claims for additional compensation will be considered on account of the failure of the Contractor to completely inform itself as required herein above.

6.1. Fee Schedule. Subject to retainage, limitations, etc. set forth below in this Section 6, the fee payable to the Contractor shall not exceed _____ **DOLLARS ($_____)** (hereafter referred to as "Total Compensation") with the basis for payment being Contractor's Price Proposal set forth in **Attachment A**, which is summarized below and inclusive of the required payment and performance bonds:

i. Year 1 -- $_____ (base payment);

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

ii. Year 2 -- $_____ (base payment);
iii. Year 3 -- $_____ (base payment);
iv. Year 4 -- $_____ (base payment); and
v. Year 5 -- $_____ (base payment).

6.1.1 On-Call Repair Services. The Contractor shall bill for on-call repair services as per the Contractor's Price Proposal attached hereto

6.2. Retainage. At the City's sole discretion, it hereby reserves the right to withhold as retainage of five percent (5%) of any payment (or monetary sum otherwise required by law) owed to the Contractor to be withheld from payments to the Contractor otherwise payable to the Contractor until such time as the Contractor's work and services to be provided under this Contact are fully completed and accepted in writing by the City. The retainage does not include additional sums that the City may withhold due to the Contractor's failure to comply with the provisions of this Contract.

6.3. Limitation of Payment. Compensation to the Contractor is limited to those fees set forth in Section 6.1. of this Contract and is further limited to work **(i)** performed in fact, **(ii)** conforming with this Contract, and **(iii)** accepted in writing by a duly authorized City employee. Such compensation shall be paid by the City upon its review and approval of the Contractor's invoices for payment and review of the Contractor's work.

6.3.1 Funding. In the event this Contract is funded, in whole or in part, by Federal and/or State monies, grants, loans, etc, all City payment(s) shall fully comply with all relevant Federal and State statutes and regulations. In the event this Contract is 100% funded by Federal and/or State monies, grants, loans, etc., the aggregate sum of all City payments shall not exceed the aggregate sum of such funding.

6.3.2 The Contractor and its affiliates are hereby provided with notice that the City reserves the right, in the City's sole discretion, to offset, withhold, or otherwise reduce City payment(s) to the Contractor, in an amount equaling the sum or sums of money the Contractor and/or its affiliates is/are, or become delinquent or in arrears on, regarding the Vendor's and/or its affiliates real and personal property taxes and other payment obligations to the City.

6.4. Bid Costs. All costs of the Contractor in preparing its bid for **RFP Number 8226** shall be solely borne by the Contractor and are not included in the compensation to be paid by the City to the Contractor under this Contract or any other agreement.

6.5. Payment for Services, Materials, Appliances, Employees. The Contractor shall be responsible to the City for the suitability of services, materials and equipment furnished to comply fully with the requirements set forth in this Contract. The Contractor shall promptly pay all employees as their pay falls due, shall pay promptly as they fall due all bills for subcontractors, materials, supplies and services going into the work, and all bills for insurance, bonds, Worker's Compensation coverage, Federal

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

and State Unemployment Compensation, and Social Security charges applicable to this Project; at the City's discretion is may request written confirmation that such payment obligations are fulfilled prior to releasing any subsequent payments to the Contractor. Before final City payment is made, the Contractor shall furnish to the City a sworn, notarized, affidavit stating that all the foregoing payment obligations have been fully completed.

6.6. Liens. Neither the City's final payment nor any part of the retained percentage, if any, shall become due until the Contractor, if required by the City, shall deliver to the City a complete release of all liens arising out of this Contract, or receipts in full in lieu thereof, and, if required, in either case, an affidavit that so far as the Contractor has knowledge or information, the releases and receipts include all the labor and material for which a lien could be filed; but the Contractor may, if any subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the City, to indemnify it against any lien. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the City all moneys that the City may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fees.

6.7. Attorney's Fees and Costs. The prevailing party in any litigation arising hereunder shall be entitled to attorney's fees and costs from the losing party.

6.8. Contractor's Certificate of Completion. Upon the Contractor's completion of each service required hereunder, it shall, in each instance, file with the City a written, notarized affidavit setting forth the amount of work performed. The City reserves the right to verify or challenge by any reasonable means the accuracy of said affidavit.

6.9. Payments Subject to Correction. All City payments, including those relating to extra or additional work, retainage(s), and holdback(s), shall be subject to correction. No payment, final or partial, shall act as a release to the Contractor or its surety from any Contractor obligation(s) under this Contract.

7. Warranty of the Contractor. The Contractor warrants to the City that all materials, supplies, components, equipment, etc. furnished under this Contract shall be new and of good quality, except as otherwise expressly stated and permitted by the City elsewhere in this Contract. The Contractor warrants that none of its work shall be defective. The Contractor shall be liable to repair and install and/or replace without charge any service, component, equipment or part thereof which is defective or does not conform with this Contract within the greater of **(i)** 365 calendar days after the City delivers its written notice of its acceptance of the Project and statement therein establishing the final completion date, or **(ii)** that time or date expressly stated elsewhere in this Contract or **Attachment A**.

7.1. The Contractor further warrants that all materials, supplies, services, components, equipment, reports, plans, drawings, deliverables, incidentals, etc., shall be free from all defects caused by faulty design, faulty material or poor workmanship. The Contractor shall supply to the City copies of any written manufacturer's warranties and guarantees and assign same to the City and the City shall avail itself of same to the fullest extent provided by the terms thereof. The Contractor's foregoing warranty

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

obligations are in addition to, and not a limitation of, all manufacturer's warranties and guarantees, and any other remedy stated in this contract or otherwise available to the City under applicable law.

8. Passing of Title and Risk of Loss.

8.1. The City's beneficial use of Project equipment, materials, site-work, etc. prior to the Contractor's final completion of the Project or prior to the City's final payment for the Project shall neither act to vest title in the City nor act to transfer risk of loss from the Contractor to the City. Said title and risk shall pass to the City upon the City's final payment for the Project.

8.2. Contractor and its insurer shall assume the risks of loss or damage to the equipment up to and including the date title passes, except that City shall be responsible for loss or damage caused by City's gross negligence.

8.3. After Project equipment, materials, etc. are delivered to the Project worksite and become operable or functional, the Contractor shall not thereafter remove any such equipment, materials, etc. from the Project worksite without securing the prior written consent of an authorized City Using Agency employee.

9. Indemnification.

9.1. The Contractor shall indemnify, defend, and hold harmless the City, City's Boards, and Board of Education and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, officials and employees from and against all claims, suits, damages, losses, judgments, costs and expenses including attorney's fees arising out of or resulting from the delivery of the labor, services, equipment, materials, reports, plans, specifications, design, drawings, deliverables, incidentals, etc. provided that any such claims, suits, damages, losses, judgments, costs or expenses **(i)** are attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting there from, **(ii)** are alleged to be caused in whole or in part by any willful, intentional, negligent, or reckless act or omission of the Contractor, its employees, any subcontractor or consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder; **(iii)** enforcement action or any claim for breach of the Contractor 's duties hereunder or **(iv)** claim for intangible loss(es) including but not limited to business losses, lost profits or revenue, regardless of whether or not it is caused in part by a party indemnified hereunder.

9.2. In any and all claims against the City, Board of Education or any of City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials by the Contractor or any employee of the Contractor , any subcontractor or consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

under Paragraph 9 above, shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any subcontractor under Worker's Compensation Acts, disability benefit acts or other employee benefit acts.

9.3. The Contractor understands and agrees that any insurance required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, defend, keep and hold harmless the City, the Board of Education, any of City's boards and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees and officials as provided in this Contract.

9.4. The Contractor expressly understands and agrees that any performance bond or insurance protection required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the City and the City's boards, including the Board of Education, and all affiliated entities and each of their respective members, managers, partners, officers, directors, shareholders, commissions, agents, employees or officials as provided herein.

9.5. Royalties and Patents. The Contractor shall, for all time, secure to the City the free and undisputed right to the use of any and all patented articles and methods used in the work and shall defend at Contractor's own expense any and all suits for infringement or alleged infringement of such patents, and in the event of adverse award under patent suits, the Contractor shall pay such awards and hold the City harmless in connection with any patent suits that may arise as a result of installations made by the Contractor and as to any award made thereunder.

9.6. In the event this Contract and/or the Contractor's, or its subcontractor, work and services provisioned hereunder is/are subject to the provisions of any Federal or State statute or regulations, or the City Charter or City Ordinance, the Contractor shall indemnify, defend and hold harmless the City from any fine, penalty or other amounts imposed on the City under said statutes, regulations, Charter or Ordinances, if caused by Contractor, or its subcontractor, omission or commission.

10. Contract Bonds. The Contractor shall furnish to the City, prior to the execution of this Contract by the City, both a performance bond and a payment bond, each bond written for a penal sum equaling the Section 6 "Total Compensation" amount in a form and with a surety acceptable to the City. The bonds shall continue in effect for the greater of **(i)** the warranty period set forth in Section 7 of this Contract, or **(ii)** 365 calendar days after the Final Completion Date referenced elsewhere in this Contract.

11. Contractor's Insurance.

11.1. The Contractor shall not commence work under this Contract until all insurance required under this Section 11 has been obtained by the Contractor and such insurance has been approved by the City. The Contractor shall not allow any subcontractor to

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

commence work on any subcontract until all insurance required of any such subcontractor has been obtained and approved by the City. Insurance shall be provided by insurers, satisfactory to the City and authorized to do business in the State of Connecticut, an "A-" Best's Rating and at least a Class V3 or better financial size category as shown in the most current A.M. Best Company ratings.

11.2. At no additional cost to the City, the Contractor shall purchase and maintain the insurance coverages set forth below which shall protect the City and its Boards and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees from claims which may arise out of or result from the Contractor's obligation under this Contract, whether such obligations are the Contractor's or subcontractor or person or entity directly or indirectly employed by said Contractor or subcontractor, or by any person or entity for whose acts said Contractor or subcontractor may be liable.

11.3. Each insurance policy shall state that the insurance company shall agree to investigate and defend the insured against all claims for damages, even if groundless. If any insurance required herein is to be issued or renewed on a claims made form as opposed to an occurrence form, the retroactive date for coverage shall be no later than the effective date of this Contract and shall provide that in the event of cancellation or non-renewal, the discovery period for insurance claims ("Tail Coverage") shall be available for at least 60 months.

11.4. The following policies with stated limits shall be maintained, in full force and effect, always during which the services are to be performed by the Contractor:

11.4.1 General Liability Insurance: **$1,000,000.00** per occurrence, **$2,000,000.00** aggregate and **$2,000,000.00** products and completed operations aggregate; providing coverage to protect the City for all damages arising out of bodily injuries, sickness to or death of all persons in any one accident or occurrence and for all damages arising out of destruction of property in any one accident or occurrence.

11.4.2 Automobile Liability Insurance: **$1,000,000.00** combined single limit (CSL); providing coverage to protect the City with respect to claims for damage for bodily injury and or property damage arising out of ownership, maintenance, operation, use or loading and unloading of any auto including hired & non-owned autos.

11.4.3 Workers' Compensation: Statutory Limits within the State of Connecticut: Employers' Liability:

EL Each Accident **$1,000,000.00**
EL Disease Each Employee **$1,000,000.00**
EL Disease Policy Limit **$1,000,000.00**

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

Contractor shall comply with all State of Connecticut statutes as it relates to workers' compensation.

11.4.4 Excess/Umbrella Liability Insurance: Excess or Umbrella insurance coverage that follows form or sits over General Liability, Automobile Liability and Workers Compensation insurances -- **$1,000,000.00** each occurrence and **$1,000,000.00** Aggregate.

11.5. Failure to Maintain Insurance: In the event the Contractor fails to maintain the minimum required coverage as set forth herein, the City may at its option purchase same, and offset the Contractor's invoices for the cost of said insurance.

11.6. Cancellation: The City of Waterbury shall receive written notice of cancellation from the Contractor at least thirty (30) calendar days prior to the date of actual cancellation, regardless of the reason for such cancellation.

11.7. Certificates of Insurance: The Contractor's General, Automobile, Builder's Risk and Excess/Umbrella Liability Insurance policies shall be endorsed to add the City and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees as an additional insured and provide waiver of subrogation on all policies except Builder's Risk and Pollution Liability. The insurance afforded the additional insured shall be primary and non-contributory insurance and the coverage and limits provided under the Contractor's policies shall not be reduced or prorated by the existence of any other insurance applicable to any loss the additional insured may have suffered. Prior to the execution of this Contract by the City, the Contractor shall furnish to the City, subject to City approval, certificate(s) of insurance and Additional Insured Endorsement and Waiver of Subrogation Endorsement verifying the above coverages, including the naming of the City of Waterbury, as follows: **"The City of Waterbury and its Board of Education and all affiliated entities and each of their respective members, managers, partners, agents, officers, directors, commissions, officials, stakeholders, shareholders and employees are listed as additional insured on all lines of coverage as their interests may appear".** The City's Invitation to Bid Number must be shown on the certificate of insurance to assure correct filing. The Contractor must supply replacement/renewal certificates at least 30 days prior to the expiration of the policy(ies). Said certificates shall contain a provision that coverage afforded under the policies shall not be cancelled or reduced for any reasons unless notice of than thirty (30) calendar days has been mailed to the City's Using Agency and a copy to the City's Office of Corporation Counsel, 235 Grand Street, Waterbury, CT 06702.

DRAFT CONTRACT-CITY RESERVES THE RIGHT TO REVISE

11.8. No later than thirty (30) calendar days after Contractor receipt, the Contractor shall deliver to the City a copy of the Contractor's insurance policies and endorsements and riders.

12. Conformance with Federal, State and Other Jurisdictional Requirements. By executing this Contract, the Contractor represents and warrants that, at all pertinent and

relevant times to the Contract, it has been, is and will continue to be in full compliance with all applicable statutes, acts, ordinances, guidelines, resolutions, orders, judgments, decrees, injunctions, rules, and regulations of all government authorities applicable to performance by the Contractor of services hereunder, including those having jurisdiction over its registration and licensing to perform services hereunder; including, but not limited to, the following: **EQUAL EMPLOYMENT OPPORTUNUTY; COPELAND ANTI-KICKBACK ACT**, as supplemented in the Department of Labor Regulations (29 CFR, Part 3); **DAVIS BACON ACT** as supplemented by Department of Labor Regulations (29 CFR Part 5); Section 103 and 107 of the Contract Work Hours and Safety Standards Act, as supplemented by the Department of Labor Regulations (29 CFR Part 5); **THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974**, as amended; **TITLE 31** and Section 12-430(7) of the State of Connecticut General Statutes. All applicable sections of the City Charter and Code of Ordinances are incorporated by reference made a part hereof.

12.1. Taxes-Federal, State and Local. The City is exempt from Federal Excise and Transportation, State and Local Sales and Use Taxes, including without limitation, taxes that would otherwise be imposed upon the Contractor for transactions required or necessitated hereunder between it and its subcontractors, suppliers, etc. The Contractor remains liable, however, for any applicable tax obligations it incurs. Moreover, the Contractor represents that the bid and pricing contained in this Contract do not include the amount payable for said taxes.

12.2. Labor and Wages-Federal and State. The Contractor and its subcontractors shall conform to Federal and State of Connecticut labor laws, and all other laws, ordinances, and legal requirements affecting the work in Connecticut.

12.2.1 The Contractor is aware of, and shall comply with, the provisions of Title 31, §53 of the Connecticut General Statutes, latest revision (the "Act"), concerning the payment of minimum wages for work on public facilities. The provisions of the Act are hereby incorporated by reference and made a part of this Contract. The Act provides that the Connecticut prevailing wage law applies to certain remodeling, refurbishing, alteration, repair and new construction. The wages paid on an hourly basis to any person performing the work of any mechanic, laborer or worker on the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such person to any employee welfare fund, as defined in Conn. Gen. Stat. 31-53(i), shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such persons to any such employee welfare fund shall pay to each mechanic, laborer or worker as part of such person's wages the amount of payment or contribution for such person's classification on each pay day.

12.2.2 The Contractor is aware of, and shall comply with, as applicable, the provisions of the Federal Davis-Bacon Act, the American Rescue Plan Act, Pub. L. No. 117-2 (March 11, 2021), the Elementary and Secondary School

DRAFT CONTRACT-CITY RESERVES THE RIGHT TO REVISE

Emergency Relief Supplemental Appropriations Act of 2021 signed into law December 27, 2020 (ESSER II Fund) and the American Rescue Plan Elementary and Secondary School Emergency Relief Fund signed into law March 11, 2021, all the provisions of which are hereby incorporated by reference and made a part of this Contract.

12.3. Compliance with Chapters 34, 38, and 39 of the Code of Ordinances of the City. By executing this Contract, the Contractor represents and warrants that, at all pertinent and relevant times to the Contract, it has been, is and will continue to be in full compliance with the provisions of Chapters 34, 38, and 39 of the Code of Ordinances of the City and well as any other relevant provisions of the Charter and the Code of Ordinances.

13. Discriminatory Practices. In performing this Contract, the Contractor shall not discriminate against any employee or applicant for employment, with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, sex, age, religious creed, disability, national origin or ancestry, marital status, family status, prior psychiatric treatment, health care, military status or source of income or because of a handicap that is unrelated to the employee's or the applicant's ability to perform the duties of a particular job or position. Subcontracts with each subcontractor shall contain a provision requiring non-discrimination in employment as specified herein. This covenant is required pursuant to §93.04 of the Code of Ordinances of the City and any breach thereof may be regarded as a material breach of this Contract. Said provisions with subcontractors shall require conformity and compliance with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements.

13.1. Discrimination Because of Certain Labor Matters. No person employed on the work covered by this Contract shall be discharged or in any way discriminated against because such person has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or related to the labor standards applicable hereunder to its employer.

13.2. Equal Opportunity. In its execution of the performance of this Contract, the Contractor shall not discriminate and shall comply with applicable laws prohibiting discrimination on the grounds of race, color, religion, sex, national origin or citizenship status, age or handicap. The Contractor agrees to comply with all local, state and federal laws, rules and regulations and Executive orders pertaining to discrimination and equal opportunity requirements and will require the same of all subcontractors.

13.3. Contractor Corrective Action.

13.3.1. Pursuant to Conn. Gen. Stat. § 4a-60, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

(a) Every contract to which an awarding agency is a party, every quasi-public agency project contract and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the state of Connecticut; and the contractor further agrees to take corrective action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved;

(2) The contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission on Human Rights and Opportunities;

(3) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(4) The contractor agrees to comply with each provision of this section and sections 46a-68e and 46a-68f and with each regulation or relevant order issued by said commission pursuant to sections 46a-56, as amended by this act, 46a-68e, 46a-68f and 46a-86; and

(5) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor as relate to the provisions of this section and section 46a-56, as amended by this act.

(b) If the contract is a public works contract, municipal public works contract or contract for a quasi-public agency project, the contractor agrees and warrants that he or she will make good faith efforts to employ minority business enterprises as

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

subcontractors and suppliers of materials on such public works or quasi-public agency project.

13.3.2. Pursuant to Conn. Gen. Stat. § 4a-60a, as amended by June 2015 Special Session Public Act 15-5, the following are required for every Municipal Public Works Contract:

(a) Every contract to which an awarding agency is a party, every contract for a quasi-public agency project and every municipal public works contract shall contain the following provisions:

(1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the State of Connecticut, and employees are treated when employed without regard to their sexual orientation;

(2) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(3) The contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said commission pursuant to section 46a-56; and

(4) The contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor which relate to the provisions of this section and section 46a-56.

14. Good Jobs Ordinance

14.1. Conformance With An Ordinance Concerning The Hiring Of Waterbury Residents On Certain Publicly Funded Construction Projects.

14.1.1 The Contractors and its Subcontractors shall comply with the specific requirements of "An Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects" (the "Good Jobs Ordinance"), as may be amended from time to time and as set forth in Chapter 34 of the Code of Ordinances of the City. While the principal provisions of the ordinance are summarized as set forth in paragraphs C-H below, the Contractor does hereby acknowledge that it has reviewed a copy of the Good Jobs Ordinance and that it has read the Ordinance, and that Contractor is familiar

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

with the obligations imposed on the Contractor and each Subcontractor by the Good Jobs Ordinance.

14.1.2 Failure of the Contractor or its Subcontractors to comply with the Good Jobs Ordinance shall be a material breach of this Agreement.

14.1.3 This paragraph shall apply to a Covered Project, as that term is defined in the Good Jobs Ordinance, in the City with a value of $500,000.00 or greater and only to the extent permitted by federal and state law.

14.1.4 Definitions. For purposes of this paragraph:

i. "Administrator" shall be defined as it is in the Good Jobs Ordinance.

ii. "Apprentice" shall be defined as it is in the Good Jobs Ordinance.

iii. "Basic Skilled Worker" shall be defined as it is in the Good Jobs Ordinance.

iv. "Contractor" shall be defined as it is in the Good Jobs Ordinance.

v. "Covered Project" shall be defined as it is in the Good Jobs Ordinance.

vi. "Hiring Goal" shall be defined as it is in the Good Jobs Ordinance.

vii. "Resident" shall be defined as it is in the Good Jobs Ordinance.

viii. "Subcontractor" shall be defined as it is in the Good Jobs Ordinance and shall include the Contractor's direct subcontractor providing construction work and all lower-tiered (level) providers of construction work.

14.1.5 Hiring Goals. If this Agreement requires the Contractor to perform work on a Covered Project, the Contractor and each Subcontractor shall have as its hiring goals:

i. at least thirty percent (30%) of its total worker hours performed by City Residents, and

ii. at least twenty-five percent (25%) of construction trade jobs shall go to Apprentices and/or Basic Skilled Workers, and

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

iii. at least seventy percent (70%) of all "new hires" (as that term is defined in the Good Jobs Ordinance) shall be "economically disadvantaged" individuals (as that term is defined in the Good Jobs Ordinance), and

iv. a minimum of five percent (5%) of the construction workforce labor hours will be local resident, minority artisans, and

v. a minimum of five percent (5%) of the construction workforce labor hours will be women, and

vi. a minimum of ten percent (10%) of the total work hours shall be allocated for minorities, or

vii. as may otherwise be required by any superseding Federal or State employment discrimination prohibition laws.

14.1.6 Good Faith Efforts. The Contractor and each Subcontractor shall engage in Good Faith Efforts to comply with the Hiring Goals. For the purposes of this paragraph, the term "Good Faith Efforts" shall have the same meaning as it does in the Good Jobs Ordinance. The Contractor and each Subcontractor shall individually implement Good Faith efforts to satisfy the Hiring Goals.

14.1.7 Action Plan and Pre-Construction Meeting. Not later than fourteen (14) business days prior to the scheduled commencement date for construction, the Contractor shall submit a written plan-of-action to the City and to the Administrator of the Good Jobs Ordinance defining how the Contractor, and each Subcontractor, shall implement Good Faith Efforts to fulfill the Hiring Goals. Each plan-of-action shall include the anticipated number of job positions required for the Work. Not later than five (5) business day prior to the commencement date of construction, the Contractor must attend a mandatory "pre-construction" meeting with the City to review all plans-of-action and other relevant materials. No construction work shall proceed absent this pre-construction meeting.

14.1.8 Other Contractor Obligations. In addition to the foregoing, the Contractor shall ensure that all Subcontractor contracts and agreements expressly set forth and state as binding obligations therein, subject to appropriate party name change, the above Hiring Goals and Good Faith Efforts. The Contractor shall be accountable for, and liable to the City for, Contractor and each Subcontractor compliance with Hiring Goals and Good Faith efforts.

i. The Contractor shall meet with the Administrator no less than four (4) weeks prior to the commencement of construction on a Covered Project and provide the Administrator with the number of job positions to be created by the project by trade and the qualifications by job tile.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

ii. The Contractor shall be required to produce Contractor and Subcontractor documentation that may be required under the provisions of the Good Jobs Ordinance or that the City or the Administrator reasonably believes will assist the City or the Administrator with their evaluation of Hiring Goals and Good Faith Efforts.

iii. The Contractor shall deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period. Moreover, the Contractor shall require each Subcontractor to create weekly certified payroll records.

iv. The Contractor's and each Subcontractor's payroll records shall include the person-hours, the residential address, race, gender, hiring date, and apprentice (job) classification of all personnel employed under this Agreement and all Contracts and Sub-Contracts thereunder. The Contractor and each Subcontractor shall mark their respective final payroll period records as being final and be signed by an authorized officer or employee.

14.2 Liquidated Damages Applicable To Section 14.1

14.2.1 If the City finds that the Contractor, or a Subcontractor, has failed to achieve Hiring Goals during any five (5) day work period (Monday through Friday), the City shall:

i. issue a written notice to the Contractor specifying the matters constituting such failure and the time period within which Good Faith Efforts documentation must be delivered to the City for its evaluation.

ii. if the Good Faith documentation is not provided or, if provided, it fails to demonstrate compliance with Good Faith Efforts, the Contractor shall, for each failure by the Contractor or a Subcontractor to achieve the Hiring Goals during a full five-day work period, pay to the City one thousand dollars ($1,000.00) as liquidated damages.

14.2.2 If the City finds that the Contractor, or a Subcontractor, has failed to deliver weekly certified payroll records to the City within five (5) working days of the end of each payroll period the Contractor shall, as liquidated damages pay one thousand dollars ($1,000.00) to the City for each week of ongoing violation.

14.2.3 The City shall provide the Contractor with an invoice identifying all sums due the City, as liquidated damages, because of the Contractor or a Subcontractor's failure to comply with the Good Jobs Ordinance as set forth above.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

14.2.4 No portion of any invoice submitted by a Contractor that is subject to liquidated damages shall be paid by the City until such time as all liquidated damages relating to that invoice have been paid to the City.

14.2.5 The foregoing liquidated damages provisions shall be expressly set forth, subject to appropriate party name adjustments, as material provisions in all Contracts that the Contractor has with Subcontractors and the Contractor is obligated hereunder to enforce compliance in such Contracts with Subcontractors.

14.2.6 Any payment of liquidated damages hereunder shall not preclude a later claim, nor any later finding of a breach, or any payment of additional damages related to such later claim.

15. Place Holder.

16. Termination.

16.1. Termination of Contract for Cause. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the City shall thereupon have the right to terminate this Contract by either **(i)** giving written notice to the Contractor of a date certain by which Contractor shall, to the written satisfaction of the City, cure after which and without further action by any party, such termination shall automatically become effective and binding, or **(ii)** giving written notice to the Contractor specifying the effective date of such termination at least five (5) business days before the effective date of such termination.

16.1.1 In the event of a termination, all finished or unfinished documents, data, studies, reports, plans, specifications, drawings, supplies, services, etc. prepared by the Contractor under this Contract shall, at the option of the City, become the City's property, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed for such.

16.1.2 Notwithstanding the above, the Contractor shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of this Contract by the Contractor, and the City may withhold any payments to the Contractor for the purpose of setoff until such time as the exact amount of damages due the City from the Contractor is determined.

16.2. Termination for Convenience of the City. The City may terminate this Contract at any time for the convenience of the City, by a notice in writing from the City to the Contractor. If this Contract is terminated by the City as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the services performed bear to the total services of the Contractor covered by this Contract, less payments of compensation previously made.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

16.3. Termination for Non-Appropriation or Lack of Funding. The Contractor acknowledges that the City is a municipal corporation and that this Contract is subject to the appropriation and disbursement of funds by the City sufficient for this Contract for each budget year in which this Contract is in effect. The Contractor therefore agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City if sufficient funds to provide for City payment(s) under this Contract is not appropriated, not authorized, or not made available, or such funding has been reduced. In the event this Contract is subject, in whole or in part, to the appropriation and disbursement of Federal and/or State funds and those Federal and/or State funds are not appropriated or are not disbursed to the City, the Contractor hereby agrees that the City shall have the right to terminate this Contract in whole or in part without penalty to the City.

16.3.1 Effects of Non-Appropriation. If funds to enable the City to effect continued payment under this Contract are not appropriated, authorized or otherwise made available by law, the City shall have the right to terminate this Contract without penalty at the end of the last period for which funds have been appropriated, authorized or otherwise made available by law by giving written notice of termination to the Contractor.

16.3.2 Effects of Reduced Levels of Funding. If funding is reduced by law, or funds to pay the Contractor for the agreed to level of the products, services and functions to be provided by the Contractor under this Contract are not appropriated, authorized or otherwise made available by law, the City may, upon seven (7) business days written notice to the Contractor, reduce the level of the products, services or functions in such manner and for such periods of time as the City may elect. The charges payable under this Contract shall be equitably adjusted to reflect such reduced level of products, services or functions and the parties shall be afforded the rights set forth in this Contract.

16.3.3 No Payment for Lost Profits. In no event shall the City be obligated to pay or otherwise compensate the Contractor for any lost or expected future profits.

16.4. Rights Upon Termination.

16.4.1 Termination for Cause. In the event the City terminates this Contract for cause, the Contractor shall relinquish to the City any applicable interest, title and ownership including, but not limited to, perpetual use of any proprietary rights in and to the products and deliverables delivered to, in possession of and properly invoiced and paid for by (except to the extent such invoiced amount is disputed) the City. Regarding third party products, the Contractor shall transfer all licenses which it is permitted to transfer in accordance with the applicable third-party license. The City shall have no financial obligation to compensate the Contractor for such terminated products unless payment is otherwise approved by the City prior to such termination. The Contractor shall be liable for costs incurred by the City, including but not limited to reasonable attorney

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

fees and all court awarded fees and costs incurred in terminating this Contract in whole or in part.

16.4.2 Termination for Lack of Funding or Convenience. In the event of termination by the City for lack of funding or convenience, the City shall pay the Contractor for all labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc.(including any holdbacks) installed and delivered to the City as of the Termination Date and the Contractor shall relinquish to the City any applicable interest, title and ownership including, but not limited to perpetual use of any proprietary rights in and to said labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. delivered to, in possession of and paid for by the City (except to the extent any invoiced amount is disputed). The Contractor shall be required to exercise commercially reasonable efforts to mitigate damages. In the event of a termination for Lack of Funding or Convenience the City and the Contractor may negotiate a mutually acceptable payment to the Contractor for reasonable demobilization expenses. Said demobilization expenses, if any, shall be handled in accordance with the provision of this Contract pertaining to changes in the Project.

16.4.3 Assumption of Subcontracts. In the event of termination, the City shall have the right to assume, at its option, one or all subcontracts for products, services and functions provided exclusively under this Contract.

16.4.4 Delivery of Documents. In the event of termination, **(i)** the Contractor shall promptly deliver to the City, in a manner reasonably specified by the City, all documents and other tangible items furnished by, or owned, leased, or licensed by, the City, and **(ii)** the City shall pay the Contractor for all services performed and deliverables completed and accepted (pro-rated for deliverables partially completed) prior to the effective date of the termination (except to the extent any invoice amount is disputed).

17. Force Majeure. Contractor shall not be held responsible for delays nor be subject to liquidated damages when such delays are caused by conditions beyond its control, including without limitation:

17.1. Acts of God, fire, explosion, epidemic, cyclone, flood, war, strikes, revolution, civil commotion, or acts of public enemies; and

17.2. Change of law and order, proclamation, regulation, ordinance, or governmental requirement.

17.3. Upon cessation of work for reason of force majeure delays, Contractor shall use its best efforts to meet the schedule set forth in Section 5 of this Contract.

18. Subcontracting. The Contractor shall not, without the prior written approval of the City's Using Agency, subcontract, in whole or in part, any of the Contractor's services. Any

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

subcontractor so approved shall be required to secure and maintain insurance coverage equal to or better than that required of the Contractor and shall name the City as an additional insured party and said subcontractors shall deliver to the City a certificate of insurance evidencing such coverages. All subcontractors shall comply with all Federal, State and local, laws, regulations and ordinances but such requirement shall not relieve the Contractor from its requirement that all services provided hereunder shall comply with all Federal, State and local, laws, regulations and ordinances.

18.1. The Contractor shall be as fully responsible to the City for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by the Contractor.

18.2. The Contractor is responsible for and shall control activities of its subcontractors, and the subcontractors shall consult and cooperate with one another and other contractors working on the Project site. Each subcontractor shall furnish all necessary information to other subcontractors and shall lay out and install its own work to avoid any delays or interferences with the work of another. Any cost for changes, cutting and/or repairing, made necessary by failure to observe the above requirements shall be borne by the Contractor or subcontractor responsible for such failure or neglect.

18.3. The Contractor shall not, without the prior written approval of the City's Using Agency, substitute, terminate, replace or otherwise remove a subcontractor.

18.4. The Contractor shall make any payments to its subcontractors in accordance with all applicable State and Federal laws and regulations. At the City's sole discretion (but not obligation), it may require written proof that all prior periodic payments to subcontractors have been made prior to releasing any subsequent payments, including final payment.

19. Assignability. The Contractor shall not assign any interest in this Contract and shall not transfer any interest in the same (whether by assignment or novation) without the prior written approval of the City; provided, however, that claims for money due or to become due the Contractor from the City under this Contract may be assigned to a bank, trust, company, or other financial institution, or to a Trustee in Bankruptcy, without such approval. Notice of any such assignment or transfer shall be furnished promptly to the City.

20. Audit. The City reserves the right to audit the Contractor's books of account in relation to this Contract at any time during the period of this Contract or at any time during the twelve-month period immediately following the closing or termination of this Contract. In the event the City elects to make such an audit, the Contractor shall immediately make available to the City all records pertaining to this Contract, including, but not limited to, payroll records, bank statements and canceled checks.

21. Interest of City Officials. No member of the governing bodies of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

connection with the carrying out of the Project to which this Contract pertains, shall have any personal interest, direct or indirect, in this Contract.

22. Interest of Contractor. The Contractor covenants that it presently has no interest and shall not acquire any interest, direct or indirect, in the Project or any parcel of land therein or any other interest which would conflict in any manner or degree with the performance of its services hereunder. The Contractor further covenants that in the performance of this Contract no person having any such interest shall be employed.

23. Entire Contract. This Contract shall constitute the complete and exclusive statement of the contract between the parties as it relates to this transaction and supersedes all previous agreements and understandings, whether written or oral, relating to such subject matter. Any amendment to this Contract must be in writing and agreed to and executed by the City and the Contractor and must comply with the City's Charter and Code of Ordinances.

24. Independent Contractor Relationship. The relationship between the City and the Contractor is that of client and independent contractor. No agent, employee, or servant of the Contractor shall be deemed to be an employee, agent or servant of the City. The Contractor shall be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subcontractors during the performance of this Contract.

25. Severability. Whenever possible, each provision of this Contract shall be interpreted in such a manner as to be effective and valid under applicable law. If any provision of this Contract, however, is held to be prohibited or invalid under applicable law, such provision shall be deemed restated to reflect the original intentions of the parties, as nearly as possible in accordance with applicable law, and if capable of substantial performance, the remaining provisions of this Contract shall be enforced as if this Contract was entered into without an invalid provision. If the ruling and/or controlling principle of law or equity leading to the ruling is subsequently overruled, modified or amended by legislation, judicial or administrative action, then the provision(s) in question as originally set forth in this Contract shall be deemed valid and enforceable to the maximum extent permitted by the new controlling principal of law or equity.

26. Survival. Any provisions of this Contract that impose continuing obligations on the parties shall survive the expiration or termination of this Contract for any reason.

27. Changes in the Project: Change Orders.

27.1. Requests for Change Orders. The City reserves the right on its own volition or based upon a proposal for a Change Order submitted in written form with a thorough explanation by the Contractor, to request from time to time any changes to the requirements and specifications of this Contract and the products to be provided and the functions and services to be performed by the Contractor under this Contract. Such changes must be authorized by the City. The City will not approve of any change orders, deletions, additions, or additional work items to the Scope of Services or any change in the terms and conditions of this Contract except by means of a City authorized amended Scope of Services, applicable and restricted to those items set

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

forth in §1, above, or Change Order issued as set forth in this section, except in the event of an emergency endangering life or property.

27.2. Procedures.

27.2.1 The Contractor's Response to a Change Request.

i. Within thirty (30) calendar days after receipt of a request by the City for any such change or such other period as the Parties may mutually agree to in writing, the Contractor shall submit to the City a proposal describing any changes in Contract Milestones or Contract completion dates, products, functions, timing of delivery, assignment of personnel, and the like, and any associated price adjustment. The Contractor's proposal shall describe, in detail, the basis for the proposed price adjustment, including the charges for any products required to implement the change request.

ii. To the extent that additional costs or cost savings result from a change in required products, the Contractor shall obtain any additional products and provide them to the City at a negotiated price acceptable to the City and the Contractor. Similarly, if the change request is expected to result in a reduction in products required to perform the services, the Contractor's charges shall be reduced by the cost savings resulting from the products eliminated by the change request.

27.2.2 City's Acceptance of Change Request. If the City accepts the Contractor's proposal, the City shall issue a change order referencing the Contractor's proposal, and both parties shall sign the change order. The Contractor shall not implement any change request until the City has issued a valid, properly executed, change order.

27.2.3 City's Rejection of Change Request. If the City does not accept the Contractor's proposal, the City may within two weeks of such non-acceptance: **(i)** withdraw its change request; or, **(ii)** modify its change request, in which case the procedures set forth above shall apply to the Contractor's response to the modified change request.

27.3. City Discretion. The City may, in its sole discretion, approve the proposed Change Order and shall forward same for additional signatures under the following conditions: **(i)** If it conforms to provisions of applicable laws, and **(ii)** if it is consistent with this Contract, and **(iii)** if the time of performance of this Contract will not be unreasonably delayed, **(iv)** the Final Completion date is not changed, **(v)** if the Change Order requires a change to the Final Completion date, such change has been authorized by an approved, executed, written Amendment to this Contract, and **(vii)** if the Change Order requires an increase in the price of the Contract, the City **(1)** has sufficient funds, and **(2)** if a budget transfer is required to cover the cost of the proposed Change Order,

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

such transfer has secured the written approval of the Board of Aldermen and other required regulatory agencies.

27.4. Change Orders Governed by the Provisions of this Contract. All work performed under a Change Order is governed by the provisions of this Contract.

28. Conflicts or Disputes. This Contract represents the concurrence between the City and the Contractor and governs all disputes between them. In the instance of a conflict or dispute over issues not specifically referenced within the Contract, the following documents shall be used as historical documents, without regard to the order of precedence, to resolve such conflicts or disputes, as follows: **(i)** the City's **RFP Number 8226** and **(ii)** the Contractor's Bid response to **RFP Number 8226**, dated _____, 2024. Said historical documents are attached hereto as part of **Attachment A.**

28.1. Procedure. This procedure supersedes all statements to the contrary occurring either in proposals or other prior agreements, oral or written, and all other communications between the parties relating to this subject.

28.2. Presumption. This Contract or any section thereof shall not be construed against any party because the Contract or any section thereof was drafted by such party.

29. Disputes; Legal Proceedings; Waiver of Trial by Jury and Continued Performance. The Contractor agrees that it waives a trial by jury as to all claims, causes of action or disputes arising out of this Contract or services to be provided pursuant to this Contract. Notwithstanding any such claim, dispute or legal action, the Contractor shall continue to perform services under this Contract in a timely manner, unless otherwise directed by the City.

30. Binding Contract. The City and the Contractor each bind themselves, and their successors, assigns and legal representatives to the other party to this Contract and to the successors, assigns and legal representatives of such other party with respect to all covenants of this Contract.

31. Waiver. Any waiver of the terms and conditions of this Contract by either of the parties hereto shall not be construed to be a waiver of any other term or condition of this Contract.

32. Governing Laws. This Contract, its terms and conditions and any claims arising there from shall be governed by the laws of the State of Connecticut.

33. Notice. Except as otherwise specifically prohibited in this Contract, whenever under this Contract approvals, authorizations, determinations, notices, satisfactions or waivers are required or permitted, such items shall be effective and valid only when given in writing signed by a duly authorized officer of the City or the Contractor, and delivered in hand or sent by mail, postage prepaid, to the party to whom it is directed, which until changed by written notice, are as follows:

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

Contractor:

City: City of Waterbury
City Hall
235 Grand Street
Waterbury, CT 06702

With a copy to: Waterbury Corporation Counsel's Office
City of Waterbury
City Hall
235 Grand Street
Waterbury, CT 06702

34. City Code of Ordinances, Ethics and Conflict of Interest Code, Provisions. The Person (the term "Person" shall herein be as defined in Section 38 of the City's Code of Ordinances) supplying the labor, services, equipment, materials, reports, plans, specifications, drawings, deliverables, incidentals, etc. under this Contract shall comply with all applicable Federal, State and Municipal statutes, regulations, charters, ordinances, rules, etc, whether they are expressly stated in this Contract, including but not limited to the following:

34.1. It shall be a material breach of this Contract, and, except as may be permitted by regulations or rulings of the City of Waterbury Board of Ethics it shall be a violation of the City's Code of Ordinances, for any Public Official, City Employee or Member of a Board or Commission who is participating directly or indirectly in the procurement process as set forth in the City's Code of Ordinances, including those participating in exempt transactions, to become or be the employee of any person contracting with the governmental body by whom the Official, Employee, or Board or Commission member is employed or is a member.

34.2. It shall be a material breach of this Contract, and it shall be a violation of the City's Code of Ordinances for any Person to offer, give, or agree to give any current or former Public Official, Employee or Member of a Board or Commission, or for such current or former Public Official, Employee or Member of a Board or Commission to solicit, demand, accept or agree to accept from another Person, a gratuity or an offer of employment in connection with any: decision; approval; disapproval; recommendation; preparation of any part of a program requirement or a requisition; influencing the content of any specification or procurement standard; or rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a Contract or Purchase Order, or to any solicitation or proposal therefore.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

34.3. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for any payment, Gratuity, or offer of employment to be made as an inducement for the award of a subcontract or order, by or on behalf of a subcontractor, the prime Contractor or higher tier subcontractor or any Person associated therewith, under a Contract or Purchase Order to the City.

34.4. The value of anything transferred or received in violation of the City's Charter, Code of Ordinances, and/or regulations promulgated there under, by any Person subject to said Charter and/or Ordinances may be recovered by the City.

34.5. Upon a showing that a subcontractor made a kickback to the City, a prime Contractor or a higher tier subcontractor in connection with the award of a subcontract or order there under, it shall be conclusively presumed that the amount thereof was included in the price of the subcontract or order and ultimately borne by the City and will be recoverable hereunder from the recipient. In addition, said value may also be recovered from the subcontractor making such kickbacks. Recovery from one offending party shall not preclude recovery from other offending parties.

34.6. It shall be a material breach of this Contract and it shall be a violation of the City's Code of Ordinances for a Person to be retained, or to retain a Person, to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee; and every Person, before being awarded a City Contract, shall deliver to the City, on a City authored form, a representation that such Person has not retained anyone in violation of this subsection 34.6, the failure to deliver said form being a material breach of this Contract and a violation of the City's Code of Ordinances. Note, however, this subsection 34.6 shall not apply to full-time Employees who, as a condition of their employment, may be entitled to bonuses or other fees in accordance with their employment relationship.

34.7. The Person hereby expressly represents that he/she/it has complied with those sections of the City's Code of Ordinances requiring that said Person has **(i)** delivered to the City an affidavit, on a City authored form, stating that the Person and its affiliates have no delinquent taxes or other financial obligations owned to the City; **(ii)** filed the City authored financial disclosure statement form as set forth in the City's Code of Ordinances regarding disclosure of financial interests; **(iii)** delivered to the City a written acknowledgement, on a City authored form, evidencing receipt of a copy of the "Ethics and Conflict of Interest" ordinance for the City of Waterbury and hereby expressly represents that said Person is in full compliance with the entirety of said Code of Ordinances; and **(iv)** filed a current list of all taxable personal and real property as required by the State of Connecticut General Statutes. Any violation of this subsection 34.7 shall be deemed a material breach of this Contract and shall be a violation of the City's Code of Ordinances.

34.8. The definitions set forth in the City's Code of Ordinances shall be the primary source for interpretation of the forgoing subsections 34.1-34.7.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

34.9. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, all relevant provisions of the City's Charter and all relevant provisions of the City's Code of Ordinances, including without limitation Chapters 93, titled "Discriminatory Practices", Chapter 38 titled "Centralized Procurement System", and Chapter 39 titled "Ethics and Conflict of Interest", of said Code as may be amended from time to time.

34.10 The Contractor hereby acknowledges receipt of a copy of Chapters 38 and 39 of City's Ordinance regarding Procurement, Ethics, and Conflicts of Interest and has familiarized itself with said Code and hereby agrees to adhere to said Code. The text of Chapters 38 and 39 of said Code may be obtained from the Office of the City Clerk of the City and on the internet at the City Clerk's web site: *http://www.waterburyct.org/content/458/539/default.aspx* [click link titled "The City of Waterbury Code of Ordinances *Passed 8/24/2009*". For Chapter 38, click on **"TITLE III: ADMINISTRATION",** then click **on "CHAPTER 38: CENTRALIZED PROCUREMENT SYSTEM"**. For Chapter 39, click on **"TITLE III: ADMINISTRATION"**, then click on **"CHAPTER 39: ETHICS AND CONFLICTS OF INTEREST"**].

34.11. The Contractor is hereby charged with the requirement that it shall have knowledge of, and shall fully comply with, the City's Ordinance Sections 34.15 through 34.99 entitled, "Ordinance Concerning the Hiring of Waterbury Residents on Certain Publicly Funded Construction Projects," and the State of Connecticut Legislature's Special Act No. 01-1.

34.12. Every Person who conducts business with, contracts, with or provides commodities or services to the City, is charged with notice of the extent of the powers and authority, and the limitations thereon, of the Public Officials and Employees of the City, as set forth in the charter of the City, the Code of Ordinances and any Regulations or Policies pertaining thereto. In particular, and without implying any limitation as to its applicability, it applies to all Persons who participate in the procedures pertaining to the Centralized Procurement System as set forth in Chapter 38, and the Ethics and Conflict of Interest provisions set forth in Chapter 39 of the Code of Ordinances.

34.13. INTEREST OF CITY OFFICIALS. No member of the governing body of the City, and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the project, to which this agreement pertains, shall have any personal interest, direct or indirect, in this agreement.

34.14. PROHIBITION AGAINST CONTINGENCY FEES. The Contractor hereby represents that it has not retained anyone to solicit or secure a contract with the City upon an agreement or understanding for a commission, percentage, brokerage or contingency fee.

34.15. FREEDOM OF INFORMATION ACT NOTICE. Pursuant to State statute, in the event the total compensation payable to the Contractor set forth in Section 6 of

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

this Contract is greater than $2,500,000.00, the City is entitled to receive a copy of all Contractor records and files related to the performance of this Contract and those records and files are subject to the Freedom of Information Act ("the Act") and may be disclosed by the City pursuant to the Act.

35. Definitions. Whenever the following, words, terms, etc. appear in this Contract, the intent and meaning shall be as follows:

35.1 Additional Work: Work required by the City that involves a substantial addition to, deduction from or modification of the Contract Documents.

35.2 Bid or Proposal: The form on which the bidder is to submit a bid for the Work contemplated.

35.3 Bidder: A person, partnership, corporation or other business organization submitting a bid on the form for the Work contemplated.

35.4 City: The City of Waterbury, acting directly or through specifically authorized personnel.

35.5 Construction Supervisor: An employee of the City of Waterbury, or another City duly authorized person.

35.6 Contract Time: The number of days as stated in the Contract to: **(i)** achieve Substantial Completion and **(ii)** Final Completion.

35.7 Equal: The recognized equivalent in substance and function; considering quality, workmanship, economy of operation, durability and suitability for purposes intended, and not constituting a change in the Work specified. Whenever the words "equal" or "equals" or words of like import are used, it shall be understood they mean "equal" in the opinion of the City.

35.8 Final Completion: The time at which the Project has progressed to the point where, in the opinion of the City, the Project is complete such that it is ready for final payment as evidenced by the City's, or its duly authorized City representative's, written recommendation of final payment. The terms "finally complete" and "finally completed" as applied to the Project refer to Final Completion.

35.9 Notice to Proceed: A letter from the City which shall state the date of execution of the Contract and specifically advise the Contractor to begin work on the Contract.

35.10 Plans: All drawings or reproductions of drawings pertaining to the construction of the work contemplated and its appurtenances.

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

35.11 Project Engineer or Manager: An employee of the City or a person, partnership, corporation or other business organization under contract with the City, commissioned to perform construction administration and inspection duties during construction.

35.12 Shop Drawings: Drawings, diagrams, schedules, performance charts, brochures and other materials prepared by the Contractor or subcontractors, manufacturers or distributors which illustrate some portion of the work.

35.13 Specifications or Technical Specifications: The description, provisions and other requirements pertaining to the materials, methods and manner of performing the Project.

35.14 Subcontractor: A person, partnership, corporation or other business organization supplying labor and/or materials for work at the site of the Project to and under agreement with the Contractor.

35.15 Substantial Completion: The time at which, in the opinion of the Engineer, the Project (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Project (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Project mean Substantial Completion thereof.

35.16 Substitution: A replacement of specified material, device or equipment which is sufficiently different in substance, function, quality or workmanship to become the subject of a Change Order.

35.17 Supplementary General Conditions: An extension to the terms, conditions, and provisions set forth in this document as additional, material, provisions of this Contract.

35.18 Work: All plant, labor, materials, services, supplies, equipment and other facilities and items necessary for, or incidental to, the completion of the terms of the Contract.

35.19 Using Agency: School Inspector's Office, Department of Education.

SIGNATURE PAGE FOLLOWS

DRAFT CONTRACT - CITY RESERVES THE RIGHT TO REVISE

IN WITNESS WHEREOF, the parties hereto execute this Contract on the dates signed below.

WITNESSES:

_____

_____

CITY OF WATERBURY

By:_____
Paul K. Pernerewski, Jr., Mayor

Date: _____

WITNESSES:

_____

_____

_____

By:_____
_____, duly authorized

Date: _____

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

ATTACHMENT A

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

ATTACHMENT B

DRAFT CONTRACT -- CITY RESERVES THE RIGHT TO REVISE

Attachment C Document

- ADDENDUM/CERTIFICATION/NOTICE OF ACCEPTANCE

FILL IN AND RETURN WITH YOUR SUBMISSION

ATTACHMENT C

KEVIN MC CAFFERY
DIRECTOR OF PURCHASING
235 GRAND STREET, ROOM 103
WATERBURY, CT 06702

The undersigned declares that the only persons or parties interested in this Proposal as principals are as stated; that the Proposal is made without any collusion with other persons, firms, or corporations; that Proposer has carefully examined the entire Request for Proposal; that Proposer has informed itself fully in regard to all conditions pertaining to the Work and the place where it is to be performed; and that with this representation, the undersigned makes this Proposal. These prices shall cover all expenses incurred in performing the Work required under the Contract Documents, of which this Proposal and Form are a part.

The undersigned agrees and covenants that the Contract Time shall commence on delivery of the City of Waterbury's written notice to proceed, which shall occur after contract execution by both parties.

The undersigned acknowledges receipt of addenda numbered: (insert date)

1 _____ 4 _____

2 _____ 5 _____

3 _____ 6 _____

All Work for this Project shall be performed at the Proposal Prices as described in the Proposal Documents.

The undersigned hereby certifies under the penalties of perjury that this Proposal is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the work "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

_____ _____

Social Security Number
or Federal Identification Number

Signature of Individual or Corporate Name

_____

Corporate Officer
(if applicable)

City notice of acceptance should be mailed, telegraphed or delivered to the undersigned Proposer at the following address:

Name _____
By: _____
(Title)
Business Address: _____
(City, State, Zip Code)
_____
_____
Phone: _____
Email:_____
Date: _____

Note: If the Proposer is a corporation, indicate State of incorporation under signature, and affix corporate seal; if a partnership, give full names and residential addresses, if different from business address.

Attachment D Document

- INSURANCE REQUIREMENTS

RFP 8226 Generator Maintenance Services

Attachment D

Insurance Requirements

Contractor/Vendor shall agree to maintain in force at all times during the contract the following minimum coverages and shall name the City of Waterbury and the Waterbury Board of Education as Additional Insured on a primary and non-contributory basis to all policies, except Workers Compensation. All policies should also include a Waiver of Subrogation. Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum AM Best's rating of "A"VIII.

If any policy is written on a "Claims Made" basis, the policy must be continually renewed for a minimum of two (2) years from the completion date of this contract. If the policy is replaced and/or the retroactive date is changed, then the expiring policy must be endorsed to extend the reporting period for claims for the policy in effect during the contract for two (2) years from the completion date.

Original, completed Certificates of Insurance must be presented to the City of Waterbury and the Waterbury Board of Education prior to contract issuance. Contractor/Vendor agrees to provide replacement/renewal certificates at least 30 days prior to the expiration date of the policies. Should any of the above described policies be cancelled, limits reduced or coverage altered, 30 days written notice must be given to the City of Waterbury and the Waterbury Board of Education.

General Liability:	**$1,000,000 each Occurrence** **$2,000,000 General Aggregate** **$2,000,000 Products/ Completed Operations Aggregate**
Auto Liability:	**$1,000,000 Combined Single Limit each Accident** **Any Auto, All Owned and Hired Autos**
Workers Compensation:	**WC Statutory Limits** **Employer Liability (EL)** **$1,000,000 EL each Accident** **$1,000,000 EL Disease each Employee** **$1,000,000 EL Disease Policy Limits**
Excess/Umbrella Liability:	**$1,000,000 each Occurrence** **$1,000,000 Aggregate**

Wording for Additional Insured Endorsement and Waiver of Subrogation:

The City Waterbury and its Board of Education is listed as an Additional Insured on a primary and non-contributory basis on all policies except Workers Compensation. All policies shall include a Waiver of Subrogation.

Attachment E Document

- COST PROPOSAL FORM

REQUEST FOR PROPOSAL #8226
BY
THE CITY OF WATERBURY
DEPARTMENT OF EDUCATION
FOR
Generator Maintenance Services, Multi-Year

ATTACHMENT E

Price Proposal

(Must be submitted as part of Proposal in a separate sealed envelope, marked "Confidential: Price Proposal.")

Date: _____

Kevin McCaffery
Director of Purchasing
City of Waterbury
235 Grand Street, Room 103
Waterbury, CT 06702

Sir:

Pursuant to and in compliance with your RFP, the Undersigned,

_____
(Print or Type Company/Corporate Name)

_____
(Print or Type Business Address)

_____

_____

_____

having carefully examined all the RFP Documents, together with all Addenda, as acknowledged on Attachment C, and having informed itself fully in regard to all conditions and related requirements pertaining to the performance of services required under this RFP; and that with this representation, the undersigned makes this Proposal, as follows:

[Proposal continued on following page(s)]

Generator Maintenance Services, Multi-Year, Four Generators Total		
Description	**Amount (In Words)**	**Amount (In $)**
Year 1		**$**
Year 2		**$**
Year 3		**$**
Year 4		**$**
Year 5		**$**
	GRAND TOTAL	**$**

In addition, please provide your hourly rates for repair services including the following:

We, hereby propose to provide the services described herein for the cost per hour rate of:
STRAIGHT TIME: hours ____am to ____pm
OVERTIME Weekdays: hours ____pm to ____pm
Weekends and Holidays
LABOR:
Foreman $_____ per hr $_____ per hr
Journeyman $_____ per hr. $_____per hr
Apprentice $_____ per hr. $_____per hr
Laborer $_____ per hr. $_____per hr

Materials Markup: Please provide percentage of material markup _____% of the invoiced cost of the materials and equipment

The undersigned hereby certifies under the penalties of perjury that this Proposal is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the work "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

Respectfully submitted by: _____

_____ Social Security Number or Federal Identification Number (Print or Type)

_____ Company/Corporate Name (Print or Type)

_____

Signature of Authorized Official

_____

Name of Authorized Official (Print or Type)

_____

Title of Authorized Official (Print or Type)

Proposer shall provide Proposers Contact Information below:

Business Address: (Print or Type)	Business Fax Number: (Print or Type)
City, State, Zip Code: (Print or Type)	Business Mobile Number: (Print or Type)

_____ _____

Business Telephone Number: (Print or Type) Business Email Address: (Print or Type)

Note: If the Proposer is a corporation, indicate State of incorporation under signature, and affix corporate

END OF ATTACHMENT E

Attachment F Document

- SCOPE OF SERVICES

REQUEST FOR PROPOSAL #8226
BY
THE CITY OF WATERBURY BOARD OF EDUCATION
FOR
Generator Maintenance Services, Multi-Year

ATTACHMENT F

Scope of Services

GENERAL DESCRIPTION

Technical Specifications

Kingsbury:
Unit: YD14-200
Model: Sp85LP-3
Size: 7.5KW

WAMS:
Unit: Caterpillar
Model: SR4B
Size: 400kw

Rotella:
Unit: Kohler
Model: 180RZD
Size: 180kw

Wendell Cross:
Unit: Kohler
Model: 200REZXB
Size: 250kw

Scope of Work – Full Service Planned Maintenance (FSPM)-A

5.1 Engine Lubricating System
5.1.1 Check for leaks — The engine shall be visually inspected for signs of oil leaks at each scheduled service interval.
5.1.2 Check engine oil level and pressure — The engine oil level and oil pressure shall be checked at each scheduled service level. The oil level should be between the “ADD” and “FULL” mark.
5.1.3 CHANGE ENGINE OIL FILTER Remove engine mounted oil filters, replace with new filters.
5.1.4 CHANGE ENGINE OIL AND TAKE SAMPLE — The engine oil shall be changed annually and replaced with the correct grade and type of lubricating oil according to the engine manufacturer’s specifications. Prior to changing the oil, a sample should be taken using the procedures outlined by the supplier of the oil sample kit in order to determine the amount of contamination present.
5.1.5 Check hydraulic/mechanical governor oil level — On engines equipped with mechanical or hydraulic governors, the oil level shall be checked at each scheduled service interval. This level should be maintained at the “FULL” mark. Check all mechanical linkage for freeness of movement, dirt, excessive play or looseness,
corrosion and proper adjustment. Correct any discrepancies.

5.2 Engine Cooling System
5.2.1 Check for leaks — Visually inspect the cooling system for leaks at each scheduled service interval. Check for puddles on the floor, around the equipment and for drips around the hose connections and tighten if needed.
5.2.2 Check for radiator air restriction — The radiator should be visually inspected at each scheduled service interval and reasonably cleared of any restrictions (dirt, paper, debris, etc.) OSHA Guards not removed.
5.2.3 Check operation of coolant heater — The operation of the coolant heater shall be checked at each scheduled service interval.
5.2.4 Check hoses and connections — All cooling system hoses and connections shall be checked at each scheduled service interval for leaks and/or deterioration such as dry rotting, heat deterioration and ballooning.
5.2.5 Check coolant level and temperature — The coolant level and temperature shall be checked at each scheduled service interval.
5.2.6 Check belt condition and tension — All belts in the cooling system shall be inspected at each scheduled service interval for sign of wearing or cracking or any other sign of deterioration.

5.2.7 Check antifreeze and additive concentration — The antifreeze and diesel coolant concentration shall be checked at each scheduled service interval.
5.2.8 CHANGE COOLANT FILTER — **THE DIESEL COOLANT ADDITIVE WATER FILTERS SHALL BE REPLACED AT SCHEDULED SERVICE INTERVAL**
5.2.9 Check radiator cap and thermostat for operation — Cap and thermostat shall be inspected at each scheduled service interval for proper operation of cooling system.
5.2.10 Coolant sampling. On programs where a coolant sample is required complete this line item.
5.3 Engine- Air Intake System1 Clean air cleaner element and housing — Check air cleaner element and housing at each scheduled service interval. Replacement of air filter elements additional, will be quoted separately.
5.3.1 Clean air cleaner element and housing — Check air cleaner element and housing at each scheduled service interval. Replacement of air filter elements additional, will be quoted separately.
5.3.2 Check all piping connections — Check all piping and connections associated with the air intake system at each scheduled service interval. These components are subject to fatigue caused by engine vibration. Replace or tighten as necessary.
5.4 Engine Fuel System
5.4.1 Check fuel lines and connections for leaks — All fuel lines and connections on the engine itself and in the engine room shall be checked at each scheduled service interval for leaks. Inspect around all fuel filters for leaks and tighten any loose connections.
5.4.2 CHANGE FUEL FILTERS **— REPLACE ALL FUEL FILTERS (ENGINE PRIMARY AND SECONDARY FILTERS) AT EACH SCHEDULED SERVICE INTERVAL.**
5.4.3 Check day tank fuel level — At each scheduled service interval, the level of the fuel in the tank shall be checked to ensure it is full.

5.4.4 Check fuel transfer pump — Test the operation of the fuel transfer pump at each scheduled service interval by pressing the test button and observing the results. Check for leaks.
5.4.5 Drain water separators — Water separators should be drained at each scheduled service interval.
5.4.6 Check governor control linkage — The governor linkage shall be checked at each scheduled service interval for tightness and correct adjustment.

5.5 Engine Exhaust System
5.5.1 Check for leaks — Check all exhaust piping and connections for leaks and tighten any loose connections at each scheduled service interval. Visually check exhaust outlet for excessive smoke if possible.
5.5.2 Drain exhaust condensation traps — Drain the exhaust condensation trap at each scheduled service interval.
5.6 Engine Electrical System
5.6.1 Check battery electrolyte level — Check the start battery electrolyte level and voltage at each scheduled service interval. The voltage should read between 13 and 14.2 volts on a 12-volt system and between 25 and 28.4 volts on a 24-volt system. As an alternative, batteries may be checked by means of a load test if the appropriate equipment is available.
5.6.2 Check battery-charging system — Visually check the start battery charger for correct operation at each scheduled service interval. The float charger should be set at 13.8 volts DC on a 12-volt system and 27.6 volts DC on a 24-volt system. 5.7 Main Generator
5.7.1 A/C Voltage - Check and record A/C Voltage
5.7.2 Frequency - Check and record Frequency

5.8 Controls and Switch gear (If located within close proximity of Generator)
5.8.1 Check for operational instrumentation — Check all instrumentation at each scheduled service interval for burned out lights and non-operational gauges.
5.8.2 Check automatic transfer switch — Check the operation of the automatic transfer switch at each scheduled service interval if possible at the direction of the facility engineer.
Total check included not to exceed 30 mins (transfer, re-transfer, and cool down cycles) unless outlined in the scope of work and rate sheets.
5.8.3 Check all control switches in “AUTO” and circuit breakers closed — Check that all control switches are set to the ‘AUTOMATIC” position and all circuit breakers are ‘Closed” at each scheduled service interval.
Ensure distributor sticker with phone number is attached to genset. ITEMS HIGHLIGHTED IN RED / CAPS BOLD OCCUR DURING ANNUAL MAJOR PM. ALL OTHER ITEMS OCCUR DURING EACH MAJOR, MINOR PM AND (SITE INSPECTION). Up Date InPower and InSite Calibrations as needed during each service interval

Scope of Work – Site Inspection Planned Maintenance(SIPM)-B

Engine Lubricating System
5.1.1 Check for leaks — The engine shall be visually inspected for signs of oil leaks at each scheduled service interval.
5.1.2 Check engine oil level and pressure — The engine oil level and oil pressure shall be checked at each scheduled service level. The oil level should be between the “ADD” and “FULL” mark.
5.1.3 CHECK ENGINE OIL FILTER Visually check engine mounted oil filters for leaks and tightness.
5.1.4 Check hydraulic/mechanical governor oil level — On engines equipped with mechanical or hydraulic governors, the oil level shall be checked at each scheduled service interval. This level should be maintained at the “FULL” mark. Check all mechanical linkage for freeness of movement, dirt, excessive play or looseness, corrosion and proper adjustment. Correct any discrepancies.
5.2 Engine Cooling System
5.2.1 Check for leaks — Visually inspect the cooling system for leaks at each scheduled service interval. Check for puddles on the floor, around the equipment and for drips around the hose connections and tighten if needed.
5.2.2 Check for radiator air restriction — The radiator should be visually inspected at each scheduled service interval and reasonably cleared of any restrictions (dirt, paper, debris, etc.) OSHA Guards not removed.
5.2.3 Check operation of coolant heater — The operation of the coolant heater shall be checked at each scheduled service interval.
5.2.4 Check hoses and connections — All cooling system hoses and connections shall be checked at each scheduled service interval for leaks and/or deterioration such as dry rotting, heat deterioration and ballooning.
5.2.5 Check coolant level and temperature — The coolant level and temperature shall be checked at each scheduled service interval.
5.2.6 Check belt condition and tension — All belts in the cooling system shall be inspected at each scheduled service interval for sign of wearing or cracking or any other sign of deterioration.
5.2.7 Check antifreeze and additive concentration — The antifreeze and diesel coolant concentration shall be checked at each scheduled service interval.
5.2.8 CHECK COOLANT FILTER — **THE DIESEL COOLANT ADDITIVE WATER FILTERS SHALL BE VISUALLY CHECKED AT SCHEDULED SERVICE INTERVAL.**
5.2.9 Check radiator cap and thermostat for operation — Cap and thermostat shall be inspected at each scheduled service interval for proper operation of cooling system.
5.2.10 Coolant sampling. On programs where a coolant sample is required complete this line item.

5.3 Engine- Air Intake System

5.3.1 Clean air cleaner element and housing — Check air cleaner element and housing at each scheduled service interval. Replacement of air filter elements additional, will be quoted separately.
5.3.2 Check all piping connections — Check all piping and connections associated with the air intake system at each scheduled service interval. These components are subject to fatigue caused by engine vibration. Replace or tighten as necessary.
5.3.3 Clean crankcase breather element — Remove and clean the crankcase breather element at each scheduled service interval. Clean the vent tube, screens and baffle with a manufacturer's approved cleaning solution. Dry with compressed air and wipe out the breather housing. Reassemble the baffle and screens and install a new gasket.

5.4 Engine Fuel System
5.4.1 Check fuel lines and connections for leaks — All fuel lines and connections on the engine itself and in the engine room shall be checked at each scheduled service interval for leaks. Inspect around all fuel filters for leaks and tighten any loose connections.
5.4.2 CHECK FUEL FILTERS — **VISUALLY CHECK ALL FUEL FILTERS (ENGINE PRIMARY AND SECONDARY FILTERS) AT EACH SCHEDULED SERVICE INTERVAL.**
5.4.3 Check day tank fuel level — At each scheduled service interval, the level of the fuel in the tank shall be checked to ensure it is full.
5.4.4 Check fuel transfer pump — Test the operation of the fuel transfer pump at each scheduled service interval by pressing the test button and observing the results. Check for leaks.
5.4.5 Drain water separators — Water separators should be drained at each scheduled service interval.
5.4.6 Check governor control linkage — The governor linkage shall be checked at each scheduled service interval for tightness and correct adjustment.

5.5 Engine Exhaust System
5.5.1 Check for leaks — Check all exhaust piping and connections for leaks and tighten any loose connections at each scheduled
5.5.2 Drain exhaust condensation traps — Drain the exhaust condensation trap at each scheduled service interval.

5.6 Engine Electrical System
5.6.1 Check battery electrolyte level — Check the start battery electrolyte level and voltage at each scheduled service interval. The voltage should read between 13 and 14.2 volts on a 12-volt system and between 25 and 28.4 volts on a 24-volt system. As an alternative, batteries may be checked by means of a load test if the appropriate equipment is available.
5.6.2 Check battery-charging system — Visually check the start battery charger for correct operation at each scheduled service interval. The float charger should be set at 13.8 volts DC on a 12-volt system and 27.6 volts DC on a 24-volt system.
5.7 Main Generator
5.7.1 A/C Voltage - Check and record A/C Voltage
5.7.2 Frequency - Check and record Frequency

5.8 Controls and Switch gear (If located within close proximity of Generator)
5.8.1 Check for operational instrumentation — Check all instrumentation at each scheduled service interval for burned out lights and non-operational gauges.
5.8.2 Check automatic transfer switch — Check the operation of the automatic transfer switch at each scheduled service interval if possible at the direction of the facility engineer. Total check included not to exceed 30 mins (transfer, re-transfer, and cool down cycles) unless outlined in the scope of work and rate sheets.
5.8.3 Check all control switches in "AUTO" and circuit breakers closed — Check that all control switches are set to the 'AUTOMATIC" position and all circuit breakers are 'Closed" at each scheduled service interval. Ensure distributor sticker with phone number is attached to genset.
ITEMS HIGHLIGHTED IN RED / CAPS BOLD OCCUR DURING ANNUAL MAJOR PM.

END OF ATTACHMENT F

#11

WATERBURY PUBLIC SCHOOLS

Mike Konopka
School Inspector Office

Memorandum

To: Board of Education & Board of Alderman

From: Mike Konopka, School Inspector, School Inspector's Office BOE

Date: October 28, 2024

Re: Board of Education Approval Request / Executive Summary
Contract between Board of Education and Facilities Compliance Fire Protection, LLC.

The School Inspector's Office respectfully requests your approval of the above-referenced contract amendment, awarded through RFP #7689, in the amount of $190,806.00, between The City of Waterbury and Facilities Compliance Fire Protection, LLC.

This amendment represents a multi-year (3 year) agreement during which time the Contractor will continue to provide services related to fire protection systems inspection, maintenance and repairs ensuring the continuity of the City's educational operations.

The funding source for this project is General Fund.

Accordingly, attached for your review and consideration are the requisite number of copies of the proposed contract.

Please note further that an electronic version and one complete set ("record copy") of documents, including contract, proposals, has been placed on file with the City Clerk's Office.

Lastly, please be advised that the department will have a representative present at your upcoming meeting to answer any questions you may have regarding this matter.

Thank You

Mike Konopka
School Inspector

AMENDMENT #2
To
Professional Services Agreement
RFP No. 7689
for
Fire Suppression Equipment Testing and Maintenance
between
The City of Waterbury, Connecticut
and
Facilities Compliance Fire Protection, LLC

THIS AMENDMENT ("Amendment #2"), effective on the date signed by the Mayor, is by and between the CITY OF WATERBURY (the "City"), located at City Hall, 235 Grand Street, Waterbury, Connecticut 06702 and FACILITIES COMPLIANCE FIRE PROTECTION, LLC (the "Consultant"), located at 1492 Berlin Tpke, Berlin, Connecticut 06037, a State of Connecticut duly registered domestic limited liability company. (Jointly referred to as the "Parties" to this Amendment #2).

WHEREAS, the Consultant submitted a proposal to the City responding to **RFP No. 7689** for Fire Suppression Equipment Testing and Maintenance, and the City selected the Consultant to perform the services; and

WHEREAS, the City and the Consultant entered into an Agreement effective September 26, 2023 (the "Original Agreement" or "Original Contract"), for Fire Suppression Equipment Testing and Maintenance; and

WHEREAS, the Parties executed Amendment No. 1 on March 25, 2024 to update the Consultant's service rates; and

WHEREAS, in accordance with Section 21 of the Agreement, the parties agree to further amend the Agreement to include Owner Controlled Contingency Allowance provision to be used for services not previously contemplated in the Original Contract.

NOW THEREFORE, it is mutually agreed to amend the Agreement as follows:

1. The foregoing recitals are incorporated as is fully stated herein.

2. The Parties hereto agree to amend the Original Contract to include an Owner Controlled Contingency Allowance in the amount of $186,232.00 increasing the total not exceed payable to Consultant from $190,806.00 to $377,038.00 as provided below.

3. Compensation. Section 6.1 Fee Schedule of the Original Contract shall be deleted in its entirety and replaced with the following text:

6.1 Fee Schedule: Subject to retainage, limitations, etc. set forth below in this Section 6,

the fee payable to the Consultant shall not exceed **THREE HUNDRED SEVENTY-SEVEN THOUSAND THIRTY-EIGHT DOLLARS and 00/100 CENTS ($377,038.00)** (hereinafter referred to as "Total Compensation") for the entire three (3) year term of the Agreement and shall be in accordance with Consultant's Revised Cost Proposal, dated July 24, 2023, and as further detailed below:

6.1.1. Base fee in the amount not to exceed ONE HUNDRED NINETY THOUSAND EIGHT HUNDRED SIX DOLLARS and 00/100 CENTS ($190,806.00); and

6.1.2. Owner Controlled Contingency Allowance in the amount of ONE HUNDRED EIGHTY-SIX THOUSAND TWO HUNDRED THIRTY-TWO DOLLARS and 00/100 CENTS ($186,232.00) as governed by Section 6.1.3.

4. **Owner Controlled Contingency Allowance**. The following text shall be added to the original Contract:

"**Section 6.1.3**. An Owner Controlled Contingency Allowance ("OCCA") is being provided in the Contract to provide an account for certain expenditures found necessary by and ordered done by the City. This OCCA shall include any unforeseen work made necessary by changes in the plans or necessitated by site conditions. Work for which payment is included under other items shall not be considered for inclusion under this OCCA.

Use of the OCCA shall be authorized in writing in advance by the City in an OCCA Change Order form acceptable to the City. Determination of amounts to be paid for work under this OCCA shall be agreed to in advance by the Consultant and City and shall not exceed amounts established in the OCCA. At contract termination, unused amounts remaining in the OCCA shall be credited to the City by Final Change Order (as part of and so documented in Consultant's final payment request). In no instance shall payments made pursuant to this OCCA result in an increase in the amount of the Contract Total Compensation or extension of Contract Time. Any increase above the Contract Total Compensation or Contract Time must be by a duly authorized and executed Contract amendment in accordance with Section 21 of the Contract."

5. **All other terms and conditions of said Agreement shall remain in full force and effect and binding upon the Parties.**

[Signature Page Follows]

IN WITNESS WHEREOF, the Parties hereto execute this Amendment #2 on the dates signed below.

WITNESSES:

_____
Sign & Print name

_____
Sign & Print name

CITY OF WATERBURY

By: _____
Paul K. Pernerewski, Jr., Mayor

Date: _____

WITNESSES:

D DeFrancesco
Sign & Print name
Jacqueline DeFrancesco

Sarah Kenny - Sarah Kenny
Sign & Print name

FACILITIES COMPLIANCE FIRE PROTECTION, LLC

By: member
Signature

Date: 10/31/2024

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KEVIN McCAFFERY
DIRECTOR OF PURCHASING



OFFICE OF THE DIRECTOR OF PURCHASING

THE CITY OF WATERBURY

CONNECTICUT

To: Michal Konopka, Principal, School Inspector

From: Kevin McCaffery, Director of Purchasing

Subject: Waiver Request – Amendment #2 to Contract with Facility Compliance and Protection Services for Fire Protection Systems Inspection, Testing, Maintenance and Repair (RFP #7689)

Date: August 7, 2024

I have reviewed the attached information provided by Michal Konopka, School Inspector, concerning the above amendment.

The following does apply per § 38.073 **AMENDMENTS TO CONTRACTS**

(B) (1) The amendment is consistent with the scope of the original procurement.
(2) Soliciting qualifications, proposals or competitive bids for purchase would:
(a) Cause a hardship for the City of Waterbury

Therefore, it is my opinion to proceed with the amendment with Facility Compliance and Protection Services (FCS).

WATERBURY
Public Schools
Today's Students, Tomorrow's Leaders

Mike Konopka
School Inspector

DATE: August 7, 2024

TO: Kevin McCaffery, Director of Purchasing

FROM: Mike Konopka, School Inspector

RE: Facility Compliance & Protection Services

BOE is seeking amendment of the contract with Facility Compliance & Protection Services (RFP#7689) related to fire protection systems inspection, maintenance and repairs.

This amendment would be to increase the total value of the current contract from $190,806 to $377,038. We are requesting approval for an amendment to formalize the cost of various additional services not already defined in the contract.
This increase is due to recently realized cost of anticipated repairs discovered during PM (Preventative Maintenance) phase of the contract.
The cost increase per year is $30,000.00 plus a one-time expense of $96,232.00 for required 5 year testing services.

Please consider this request and with your approval we will move forward and formally request contract amendment through Corporation Counsel.

8/7/24

Michal Konopka

#12

COMMITTEE ON BUILDINGS AND SCHOOL FACILITIES

WORKSHOP: **Thursday, November 7, 2024**
BOARD MEETING: **Thursday, November 21, 2024**

TO THE BOARD OF EDUCATION
WATERBURY, CONNECTICUT

LADIES AND GENTLEMEN:

With the approval of the Committee on School Facilities and Grounds, the Superintendent of Schools recommends approval of the use of school facilities, at no charge, by the following school organizations and/or City departments:

GROUP	FACILITIES AND DATES/TIMES
T. Bombero	West Side theater arts rm.: Thesday, Nov. 19th '4:390 – 8:00 pm (Community Town Hall Forum forSuperintendent search)
M. Waters	Kennedy room 109: Tues. & Wed. 4:00 – 7:10 PM 1/22/25 to 4/30/25 (CCSU cohort for WPS paraprofessionals)
L. Richard	Career Academy gym: Friday, Dec. 13th 7:00am – 2:00pm (American Red Cross Blood Drive)
Dr. V. Boatright	Maloney community rm.: Wed., Dec. 4th 8:00am – 3:00pm (professional learning for K-8 school counselors)
J. Franceskino	Career Academy café & gym: Wed., Nov. 6th 5:00 – 8:00 pm (8th grae Open house)
J. Tulley	Crosby aud.: Friday, Dec. 13th 9:30am-2:30pm (rehearsal) and Monday, Dec. 16th 7:30am-7:30pm (concert)
T. Ofeba	Gilmartin café & gym: Tuesday, Nov. 12th 5:00-7:30 pm (PTO Meeting) Gilmartin café & gym: Friday, Nov. 15th 3:30 - 7:00 pm (Fall Festival)
A Magliaro	WAMS apron stage & large dance rm.: 12/18, 12/18, 12/20 2:00-5:00 pm (Auditions for spring theatre shows)
M. Bergin	Reed School-front driveway area: Nov. 18th 3:00-5:30 pm Bucks Hill Sch. Playground area: Nov. 20th 2:30-5:30 pm Early Childhood Office/State St.: Nov. 21st 3:00-5:30 pm (Pre-School Flu Clinic for preschool families)
C. Hagen	West Side TAR: Thurs., Dec. 5th 5:00 – 8:00 pm (Winter Music Concert)

D. Hayes	Reed café: Wed., Nov. 27th 3:00 – 5:00 pm (Thanksgiving Dinner for play groups from Reed & Wilson)
N. Albini	West Side media ctr.: Monday, Nov. 25th 3:00 – 5:00 pm (Wtby. Health & Wellness Advisory Council meeting)
N. Albini	West Side theater arts rm.: Tues., Nov. 19th 5:30-7:00 pm (Town Hall Mtg./Supt. Of Schools Job Search by JG Consulting)

SCHOOL PERSONNEL USE ONLY

DATE: October 22, 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Tanya Bombero
Superintendent's Office

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: West Side Middle School

☒ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: November 19, 2024

FROM: 4:30 am/pm TO: 8 am/pm
Forum: 5:30-7:30 pm

FOR THE FOLLOWING PURPOSES:

Community Town Hall Forum for Superintendent Search

Tanya Bombero
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

Book

SCHOOL PERSONNEL USE ONLY

DATE: October 7, 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Carli Carpentieri & Marissa Waters (Talent & Professional Development Supervisors) Human Capital Department

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Kennedy High School (Room 109)

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: Tuesdays & Wednesdays (4:00-7:10) 1/22/25, 1/28, 1/29, 2/5, 2/11, 2/12, 2/19, 2/25, 2/26, 3/5, 3/11, 3/12, 3/19, 3/25, 3/26, 4/2, 4/8, 4/22, 4/23, 4/30

FROM: 4:00pm **TO:** 7:10 pm

FOR THE FOLLOWING PURPOSES:

CCSU adjunct professors will be delivering instruction to a cohort of WPS Paraprofessionals who are pursuing their Special Education Certification and taking courses through the Central Inspire Teacher Residency Program. We have an agreement that was recently approved by the board of education.

APPLICANT 10/7/24

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

Book

SCHOOL PERSONNEL USE ONLY

DATE: 10-16-24

TO: SCHOOL BUSINESS OFFICE

FROM: WCA Linda Richard

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: WCA

☐ Auditorium ☒ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: Dec 13th

FROM: 7 (am)/pm TO: 2 am/(pm)

FOR THE FOLLOWING PURPOSES:

American Red Cross Blood Drive

Make up day for heating issue

Linda Richard
APPLICANT

Linda Richard

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

SCHOOL PERSONNEL USE ONLY

DATE: October 11, 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Dr. Vira Boatright

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Maloney

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☒ Café/Rooms Community Room

DATES REQUESTED: December 4, 2024

FROM: 8:00 (am)/pm TO: 3:00 am/(pm)

FOR THE FOLLOWING PURPOSES:

Professional Learning for K-8 school counselors

APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

Book

SCHOOL PERSONNEL USE ONLY

DATE: 10/17/24

TO: SCHOOL BUSINESS OFFICE

FROM: J. Franceskino

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: WCA

☐ Auditorium ☒ Gymnasium ☐ Swimming Pool ☒ Café/Rooms

DATES REQUESTED: Wednesday, Nov. 6, 2024

FROM: 5:00 am/pm TO: 8:00 am/pm

FOR THE FOLLOWING PURPOSES:

8th Grade open House

APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

SCHOOL PERSONNEL USE ONLY

DATE: 10/10/2024

TO: SCHOOL BUSINESS OFFICE

FROM: Mr. Jordan Tulley
Band Director
Wallace Middle School

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Crosby High School

X Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED:
Friday, December 13th 9:30a.m. – 2:30 p.m.
Monday, December 16th 7:30a.m. – 7:30p.m.

FOR THE FOLLOWING PURPOSES:

Wallace Middle School winter concert (on the evening of Monday the 16th) and in-school rehearsals on Friday the 13th and Monday the 16th

Jordan Tulley
APPLICANT

Please note the following provisions:

Book

SCHOOL PERSONNEL USE ONLY

DATE: Wednesday Oct 16th 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Gilmartin

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Gilmartin Elementary School

☑ Auditorium ☑ Gymnasium ☐ Swimming Pool ☑ Café/Rooms

DATES REQUESTED: Tuesday, November 12th, 2024

FROM: 5:00 am/(pm) TO: 7:30 am/(pm)

FOR THE FOLLOWING PURPOSES:

Gilmartin PTO meeting

Jaya Mehta
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

Took

SCHOOL PERSONNEL USE ONLY

DATE: Tuesday, Oct 15th 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Gilmartin

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Gilmartin Elementary School

☑ Auditorium ☑ Gymnasium ☐ Swimming Pool ☑ Café/Rooms

DATES REQUESTED: Friday, November 15, 2024

FROM: 3:30 am/pm TO: 7:00 am/pm

FOR THE FOLLOWING PURPOSES:

Gilmartin PTO - Fall Festival for family engagement

APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

SCHOOL PERSONNEL USE ONLY

DATE: 10/21/24

TO: SCHOOL BUSINESS OFFICE

FROM: Theatre Dept.

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: WAMS

☑ Large Dance + Apron Stage

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: 12/18, 12/19, 12/20/24

FROM: 2 am/(pm) TO: 5 am/(pm)

FOR THE FOLLOWING PURPOSES:

Auditions for the Spring Theatre Shows - Harry Potter + Pippin

Alicia Gagliano
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

A. Magdaleno

SCHOOL PERSONNEL USE ONLY

DATE: 10/25/24

TO: SCHOOL BUSINESS OFFICE

FROM: Maureen Bergin

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Reed/ Front Driveway Area

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: November 18, 2024

FROM: 3:00 am/pm TO: 5:30 am/pm

FOR THE FOLLOWING PURPOSES:

Preschool Flu Clinic for preschool families

Maureen Bergin
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

SCHOOL PERSONNEL USE ONLY

DATE: 10/25/24

TO: SCHOOL BUSINESS OFFICE

FROM: Maureen Bergin

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Bucks Hill Annex/ Playground area

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: November 20, 2024

FROM: 2:30 am/pm TO: 5:30 am/pm

FOR THE FOLLOWING PURPOSES:

Preschool Flu Clinic for preschool families

Maureen Bergin
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

Kook

SCHOOL PERSONNEL USE ONLY

DATE: 10/25/24

TO: SCHOOL BUSINESS OFFICE

FROM: Maureen Bergin

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: ____Office of Early Childhood/State Street Parking lot

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: ____November 21, 2024

FROM: 3:00 am/pm TO: 5:30 am/pm

FOR THE FOLLOWING PURPOSES:

Preschool Flu Clinic for preschool families

Maureen Bergin
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

Books

SCHOOL PERSONNEL USE ONLY

Date: Oct 23, 2024

TO: Sandy McCasland

FROM: Christine Hagan

The undersigned hereby makes application for use of school facilities (after school hours) as follows:

NAME OF SCHOOL REQUESTED: WSMS

☒ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café

DATES REQUESTED: Dec. 5th 2024

Time: 5pm - 8:pm

FOR THE FOLLOWING PURPOSES:

Winter music concert

Christine Hagen
Applicant

Please note the following provisions:

When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at police and fire headquarters.

1002

SCHOOL PERSONNEL USE ONLY

DATE: October 29, 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Debra Hayes / FRC

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: Reed Elementary School

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☒ Café/Rooms

DATES REQUESTED: November 27, 2024

FROM: 3:00 am/(pm) TO: 5:00 am/(pm)

FOR THE FOLLOWING PURPOSES:

Thanksgiving Dinner for Play Groups: Reed Elementary and Wilson Elementary

Debra Hayes
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

Mook

SCHOOL PERSONNEL USE ONLY

DATE: November 4, 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Nicholas J. Albini, Chief Operating Officer

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: West Side Middle School Media Center

☐ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: Monday, November 25, 2024

FROM: 3:00 am/pm TO: 5:00 am/pm

FOR THE FOLLOWING PURPOSES:

Waterbury Public Schools Health & Wellness Advisory Council; No equipment or technology needed; no food. 15 to 20 people. Set up 8 tables in a square with 24 chairs (6 at each table).

Nicholas J. Albini
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.

SCHOOL PERSONNEL USE ONLY

DATE: November 4, 2024

TO: SCHOOL BUSINESS OFFICE

FROM: Nicholas J. Albini, Chief Operating Officer

The undersigned hereby makes application for use of school facilities (after regular school hours) as follows:

NAME OF SCHOOL REQUESTED: West Side Middle School

☒ Auditorium ☐ Gymnasium ☐ Swimming Pool ☐ Café/Rooms

DATES REQUESTED: November 19, 2024

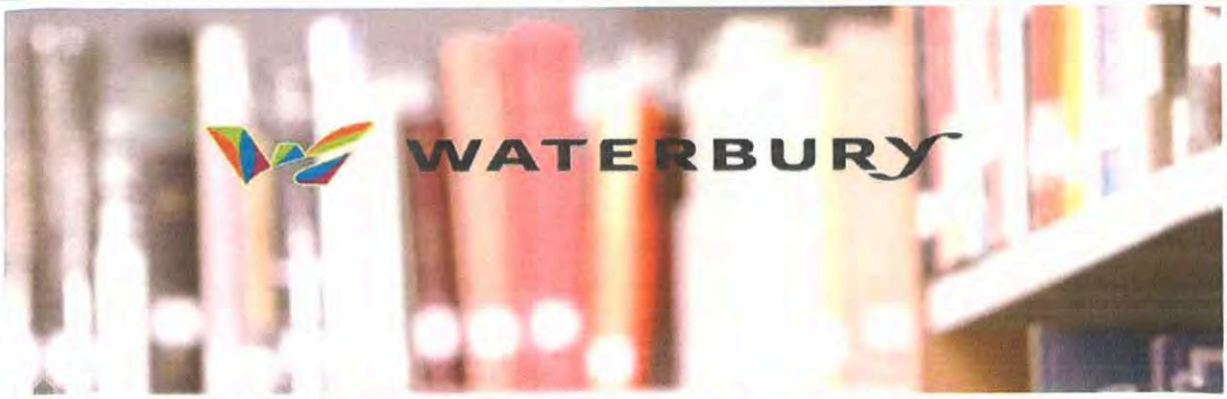
FROM: 5:30 am/pm TO: 7:00 am/pm

FOR THE FOLLOWING PURPOSES:

Superintendent of Schools Job Search Town Hall Meeting by JG Consulting; no food or water; up to 200 people.

Nicholas John Albini
APPLICANT

Please note the following provisions:
When the public is invited to an activity, police and fire departments must be notified. These arrangements *must* be made in person at the police and fire headquarters.



SUPERINTENDENT OF SCHOOLS

JOB SEARCH

Join JG Consulting at a **Town Hall Meeting** in order to provide input into the search for a new Superintendent of Schools here in Waterbury.

****

TOWN HALL MEETINGS TO BE HELD ON:

November 6, 2024 @ 5:30 p.m.—7:00 p.m.
Waterbury City Hall (235 Grand Street)

November 19, 2024 @ 5:30 p.m.—7:00 p.m.
West Side Middle School (483 Chase Parkway)

In addition, all community members are encouraged to complete an anonymous **survey** that will help to develop a candidate profile reflective of the Waterbury Community.

Survey is available in Spanish, Portuguese, Albanian and English.

Use the QR code below to access the **survey**.

COMMITTEE ON BUILDINGS AND SCHOOL FACILITIES

WORKSHOP: **Thursday, November 7, 2024**
BOARD MEETING: **Thursday, November 21, 2024**

TO THE BOARD OF EDUCATION
WATERBURY, CONNECTICUT

LADIES AND GENTLEMEN:

With the approval of the Committee on School Facilities and Grounds, the Superintendent of Schools recommends approval of the use of school facilities by groups and organizations, subject to fees and insurance as required.

GROUP	FACILITIES AND DATES/TIMES
Countrywood Hills Condo Assoc. T. Simpson	Crosby media center: Thurs., Dec. 12th 5:00 – 9:00 pm (annual members meeting)
Yeshiva K'Tana of Wtby. R. Sapirman	Crosby aud.: Wed., Jan. 8th 5:00-9:00pm (rehearsal) and Sun., Jan. 12th 9am-6pm (performance)
Mesivta Yesodie Hatorah B. Rabinwitc	Crosby pool/gym: Saturdays Nov. 9, 2024 – Mar. 8, 2025 8:00pm – 9:30pm

REQUESTING WAIVERS:

Grandville Academy Atty. M. Mosley	WAMS atrium, café, 3 rms.: Saturday, January 11th (education meeting)		9:00am – 1:00pm ($420.)
Teams Locked In A Johnson	Wilson gym: Saturdays (basketball program)	11//2//24 – 4/5/25	10:00am – 1:00pm ($3,360.)
Waterbury Ballers T. Lott	Generali gym: Dec. to Feb. (basketball program)	weekend days	12:00pm-4:30pm ($2,541.)
East Mt. Sports R. Godsil	Gilmartin gym: Sat. & Sun. (basketball program)	11/9/24 to 3/30/25	9am – 6pm ($16,380.)
	W. Cross gym: Sat. & Sun. (basketball program)	11/9/24 to 3/30/25	9am – 6pm ($16,380.)
	Rotella gym: Sat. & Sun. (basketball program)	11/9/24 to 3/30/25	9am – 6pm ($15,960.)
Bunker Hill Sports N. Meglio	Bunker Hill gym: Saturdays (basketball program)	1/4/25 to 3/22/25	9:30am – 1:00pm ($2,268.)
	Carrington gym Saturdays (basketball program)	12/7/24 to 3/22/25	9am – 3pm ($4,410.)

GROUPS NOT SUBJECT TO FEES OR WAIVER DUE TO TIME OF USE OR PREVIOUS WAIVER:

Teams Locked In A Johnson	Wilson gym: Mon. thru Thur. (basketball program)	10/26/24 – 4/4/25	6 – 9 pm
East Mt. Sports R. Godsil	W. Cross gym: Mon. thru Fri. Rotella gym: Mon. thru Fri. (basketball program)	11/12/24 – 3/30/25 11/12/24 – 3/30/25	6 – 9pm 6 - 9pm
Bunker Hill Sports N. Meglio	Maloney gym: Mon. & Wed. . West Side gym: Mondays Bunker Hill gym Mon. thru Fri. Carrington gym Mon. thru Fri.	11/18/24 – 3/19/25 11/18/24 – 3/18/25 11/18 /24– 3/21/25 11/12/24 – 3/21/25	5 – 8:30pm 5 – 9 pm 5:30 – 8:30pm 5:15 – 9:00pm
East Mt. Neighborhood Association R. McGovern	W. Cross café: Wednesday, Nov. 20th (monthly meeting)		6:15 – 8:45 pm
Catholic Academy of Wtby. O. Macklin	Gilmartin gym: Nov. 1st thru April 1st 6:00-9:00 pm		Mon, Tues, Thurs, Fri.
Wtby. Ballers T. Lott	Chase gym: 11/6/24 – 3/1/25 (basketball program)	Mon. thru Thurs.	6-9pm
Wtby. Ballers T. Lott	Generali gym: 11/4/24 – 3/1/25 (basketball program)	Mon. thru Fri.	6 – 9pm
P.A.L. Ofc.. N. Andrzewski	Maloney gym: 11/7/24-3/13/25 West Side gy.: 11/7/24 – 3/13/25 (basketball program)	Tues. & Thurs. Tues & Thurs.	6:00-8:30pm 6:00 – 9:00pm

MONEY COLLECTED TO DATE: **$ 20,204.00**

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

CONTRACT#

APPLICANT Terry Simpson NAME OF ORGANIZATION Countrywood Hills Condo Association

ADDRESS 380 Hitchcock Rd Waterbury CT 06705 TELEPHONE # 860-274-5182
(street) (city) (state) (zip code)

SCHOOL REQUESTED Crosby HS DATES 12/12/24 ROOM(S) Media Room

OPENING TIME 5:00 CLOSING TIME 9:00 PURPOSE Annual Meeting

ADMISSION (if any) Ø CHARGE TO BE DEVOTED TO n/a

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 40 ish CHILDREN

SIGNATURE OFAPPLICANT Sheila Simpson DATE 10/16/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION: Pat Rodgers Unit 217, address above
Russell Antonacci 1278 Main St Watertown CT 860-274-5182

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. TAS (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR SERVICE

RENTAL FEES: $10/HR

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ 500.- INSURANCE COVERAGE ✓ YES NO

PLEASE READ THE FOLLOWING CAREFULLY OK

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Rena Sapirman NAME OF ORGANIZATION Yeshiva Ktana of Waterbury

ADDRESS 32 Hillside Ave Wtby CT 06710 TELEPHONE # 203-343-3085
(street) (city) (state) (zip code)

SCHOOL REQUESTED CROSBY DATES Jan. 8 and 12 ROOM(S) Auditorium

OPENING TIME 1/8 5:00 PM CLOSING TIME 9:00 PM PURPOSE concert
1/12 9:00 AM - 6:00 PM

ADMISSION (if any) Undecided CHARGE TO BE DEVOTED TO Rena Sapirman

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 180 CHILDREN 200

SIGNATURE OFAPPLICANT Rena Sapirmen DATE 10/10/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Rena Sapirman 137 Tower Rd. 203-343-3085

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. RS (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1HR service per CUST (3) $1470.-

RENTAL FEES:

MISCELLANEOUS FEES: $55/HR-Tech. ($715.-)

SECURITY DEPOSIT $ 250.- INSURANCE COVERAGE _____ YES _____ NO

PLEASE READ THE FOLLOWING CAREFULLY

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Binyomin Rabinowitz NAME OF ORGANIZATION Mesivta Yesodie Hatorah

ADDRESS 31 Ran Drive Naugatuck ct TELEPHONE # 860 784 7185
(street) (city) (state) (zip code)

SCHOOL REQUESTED Crosby DATES 11/9-3/8/24 ROOM(S) pool and gym

OPENING TIME 8:00 pm CLOSING TIME 9:30 pm PURPOSE recreation

ADMISSION (if any) CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 2 CHILDREN 45

SIGNATURE OFAPPLICANT Binyomin Rabinowitz DATE 10/30/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Efraim Hutkin 323, 842-7058, 168 Blue Ridge drive Waterbury Ct. 06704
elchonon Taghon 732 515 1668 31 ran drive naugatuck Ct. 06770

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. BR (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $73/HR plus 1 HR SERVICE

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

Saturdays

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE 11/01/2024

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Maurice Mosley NAME OF ORGANIZATION Granville Academy

ADDRESS 66 Redcoat Rd - Waterbury TELEPHONE # 2035984101
(street) (city) (state) (zip code)

SCHOOL REQUESTED WAMS DATES - Jan 11, 2025 ROOM(S) 3 rooms atrium, cafe

OPENING TIME 9 am CLOSING TIME 1 pm PURPOSE education

ADMISSION (if any) Free CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4 CHILDREN 30

SIGNATURE OFAPPLICANT DATE Oct. 16, 2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION: *

Same

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. MBM (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR service per cust (2)(420.)

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Application for Building Permit)

APPLICANT/ORGANIZATION: Granby, We Academy

Please check below specific item(s):

Building Usage Fees ☑ Custodial Fees ☑ Atrium Case

SCHOOL/ROOMS REQUESTED: WAMS 3 Rooms

DATE(S): Sat. Jan. 11th TIMES: 9Am - 1pm

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

10-16-24
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived:

$ _____ Building Usage Fees

$ 420.00 Custodial Fees

$ _____ Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____.

ATTEST: _____
Clerk, Board of Education

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT André Johnson NAME OF ORGANIZATION TEAM LOCKED IN

ADDRESS 110 Buckingham St. Waterbury, CT 06710 TELEPHONE # 203.870.5269
(street) (city) (state) (zip code)

SCHOOL REQUESTED Wilson DATES 11/2/24 - 4.5.25 ROOM(S) Gym, 1 classroom

OPENING TIME 10 AM CLOSING TIME 1 pm PURPOSE Mentoring, basketball, games, practices

ADMISSION (if any)_____ CHARGE TO BE DEVOTED TO_____

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4-8 CHILDREN 10-50

SIGNATURE OFAPPLICANT [signature] DATE 10-23-24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

André Johnson 110 Buckingham St. Waterbury, CT 06710 (203) 870-5269

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. AJ (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR SERVICE ($3,360.)

RENTAL FEES:_____

MISCELLANEOUS FEES:_____

SECURITY DEPOSIT $_____ INSURANCE COVERAGE ✓ YES _____ NO

PLEASE READ THE FOLLOWING CAREFULLY

Saturdays

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

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CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE_____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Use of Building Permit)

APPLICANT/ORGANIZATION: TEAM LOCKED IN

Please check below specific item(s):

Building Usage Fees ☑ Custodial Fees ☑

SCHOOL/ROOMS REQUESTED: - Gyms, 1 classroom - Wilson

DATE(S): _____ TIMES: _____ _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES _____

DATE(S): _____ TIMES: _____

10-23-24
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived:

$ _____ Building Usage Fees

$ 3,360.- Custodial Fees

$ _____ Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____

ATTEST _____
Clerk, Board of Education

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Terence Loft NAME OF ORGANIZATION Waterbury Ballers

ADDRESS 25 Grand Ave (street) Waterbury (city) CT (state) 06709 (zip code) TELEPHONE # 203-509-4757 203-805-1884

SCHOOL REQUESTED Generali DATES *See ATTACHED ROOM(S) Gym

OPENING TIME 12:00 pm CLOSING TIME 4:30 pm PURPOSE Basketball Program

ADMISSION (if any) CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 20 CHILDREN 20

SIGNATURE OF APPLICANT DATE 10-12-24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

Terence Loft Sr (203-509-4757), Terence Loft Jr (203-805-1884)

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. TL (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR service per custodian (#2,541)

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE ✓ YES NO

PLEASE READ THE FOLLOWING CAREFULLY

Weekends

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Application for Building Permit)

APPLICANT/ORGANIZATION: Wtby. Ballers

Please check below specific item(s):

Building Usage Fees ☐ Custodial Fees ☑

SCHOOL/ROOMS REQUESTED: General: Gym

DATE(S): Dec. 7, 8, 21, 22. TIMES: 12:00pm - 4:30pm

DATE(S): Jan. 4, 11, 12, 25 TIMES:

DATE(S): Feb. 1, 15, 22 TIMES:

DATE(S): TIMES:

DATE(S): TIMES:

DATE(S): TIMES:

10-17-24
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived:

$ _____ Building Usage Fees

$ 2,541.00 Custodial Fees

$ _____ Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____.

ATTEST: _____
Clerk, Board of Education

Saturday + Sunday

Ok

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Rich Godsil NAME OF ORGANIZATION EMAA

ADDRESS 36 Brubaker Rd Cheshire CT 06410 TELEPHONE #
(street) (city) (state) (zip code)

SCHOOL REQUESTED Gilmartin DATES 11/9/24 - 3/30/25 ROOM(S) Gym

OPENING TIME 9:00 am CLOSING TIME 1:00 pm PURPOSE Basketball

ADMISSION (if any) No CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4 CHILDREN 10

SIGNATURE OFAPPLICANT Rich Godsil DATE 10/9/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

Rich Godsil 36 Brubaker Rd Cheshire, CT 06410

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. RG (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR SERVICE ($16,800.)

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

11-9-24 to 3-30-25

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Lease or Building Permit)

APPLICANT/ORGANIZATION: EMAA

Please check below specific item(s):

Building Usage Fees ☐ Custodial Fees ☐

SCHOOL/ROOMS REQUESTED: Gilmartin / Gym

DATE(S): 11/9/24	TIMES:
DATE(S): 3/30/25	TIMES: 9:00 am
DATE(S):	TIMES: 6:00 pm
DATE(S):	TIMES:
DATE(S):	TIMES:
DATE(S):	TIMES:

10/9/24
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived:

$	$ 16,800.-	$
Building Usage Fees	Custodial Fees	Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____

ATTEST _____
Clerk, Board of Education

Saturday - Sunday

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Rich Godsil NAME OF ORGANIZATION EMAA

ADDRESS 36 Brubaker Rd Cheshire G 06410 TELEPHONE #
(street) (city) (state) (zip code)

SCHOOL REQUESTED Nendall Cross DATES 11/9/24 - 3/30/25 ROOM(S) Gym

OPENING TIME 9:00 AM CLOSING TIME 6:00 PM PURPOSE Basketball

ADMISSION (if any) No CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4 CHILDREN 10

SIGNATURE OFAPPLICANT [signature] DATE 10/9/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

Rich Godsil 36 Brubaker Rd Cheshire G 06410

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. RG (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR SERVICE ($16,380)

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ / INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

11-9-24
To
3-30-25

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Gym Not Available
12/14

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Application for Building Permit)

APPLICANT/ORGANIZATION: EMAA

Please check below specific item(s):

Building Usage Fees ☐ Custodial Fees ☐

SCHOOL/ROOMS REQUESTED: Wendell Cross / Gym

DATE(S): 11/9/24	TIMES:
DATE(S): 3/30/25	TIMES: 9:00 am
DATE(S):	TIMES: 6:00 pm
DATE(S):	TIMES:
DATE(S):	TIMES:
DATE(S):	TIMES:

10/9/24
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived

$	$ 14,380.-	$
Building Usage Fees	Custodial Fees	Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____.

ATTEST _____
Clerk, Board of Education

Saturday - Sunday

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Rich Godsil NAME OF ORGANIZATION EMAA

ADDRESS 36 Brubaker Rd Cheshire CT 06410 TELEPHONE #
(street) (city) (state) (zip code)

SCHOOL REQUESTED Rotella DATES 11/9/24 - 3/30/25 ROOM(S) Gym

OPENING TIME 9:00 AM CLOSING TIME 6:00 PM PURPOSE Basketball

ADMISSION (if any) No CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4 CHILDREN 10

SIGNATURE OFAPPLICANT [signature] DATE 10/9/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

Rich Godsil 36 Brubaker Rd Cheshire CT 06410

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. RG (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR SERVICE ($15.960)

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ / INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

11-9-24 TO 3-30-25

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Gym Not Available
1/11

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Building Permit)

APPLICANT/ORGANIZATION: EMAA

Please check below specific item(s):

Building Usage Fees ☐ Custodial Fees ☐

SCHOOL/ROOMS REQUESTED: Rotella / Gym

DATE(S): 11/9/24	TIMES:
DATE(S): 3/30/25	TIMES: 9:00 am
DATE(S):	TIMES: 6:00 pm
DATE(S):	TIMES:
DATE(S):	TIMES
DATE(S):	TIMES

10/9/24
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived:

$	$ 15,960.-	$
Building Usage Fees	Custodial Fees	Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____

ATTEST _____
Clerk, Board of Education

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Nicholas Meglio NAME OF ORGANIZATION Bunker Hill Sports Assoc

ADDRESS 145 Devonwood Drive, Waterbury , CT TELEPHONE # 203-206-7152
(street) (city) (state) (zip code)

SCHOOL REQUESTED Bunker Hill DATES Jan 04-Mar 22 Sat ROOM(S) Gym

OPENING TIME 9:30am CLOSING TIME 1pm PURPOSE Basketball

ADMISSION (if any) n/a CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT/ ADULTS 3 CHILDREN 25

SIGNATURE OFAPPLICANT [signature] DATE 9-30-2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Nick Meglio / 145 Devonwood Drive / 203-206-7152 BHSA COACHES

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. [initials] (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR plus 1 HR SERVICE ($2,268.)

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ / INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

Saturdays
9 30-1 pm

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Use of Building Permit)

APPLICANT/ORGANIZATION: Bunker Hill Sports Assoc

Please check below specific item(s):

Building Usage Fees [X] Custodial Fees [x]

SCHOOL/ROOMS REQUESTED: Bunker Hill / Gymnasium

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): _____ TIMES: _____

DATE(S): SAT. 1/4 - 3/22 TIMES: 9:30AM - 1 PM

9-30-2024
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived:

$ _____ Building Usage Fees

$ 2,268.00 Custodial Fees

$ _____ Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____.

ATTEST: _____
Clerk, Board of Education

Took

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Nicholas Meglio NAME OF ORGANIZATION Bunker Hill Sports Assoc.

ADDRESS 145 Devonwood Drive , Waterbury CT 06708 TELEPHONE # 203-206-7152
(street) (city) (state) (zip code)

SCHOOL REQUESTED Carrington DATES Dec 7th - March 22nd SAT ROOM(S) GYM

OPENING TIME 9am CLOSING TIME 3:00pm PURPOSE Basketball

ADMISSION (if any) n/a CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 10 CHILDREN 40-50

SIGNATURE OFAPPLICANT [signature] DATE 09-30-2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Nick Meglio / 145 Devonwood Drive / 203-206-7152 BHSA Coaches

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. NM (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: $42/HR. plus 1 HR SERVICE ($44.10.)

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ ✓ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

Saturdays

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

USE OF SCHOOL FACILITIES
WAIVER REQUEST
(to be submitted with Building Permit)

APPLICANT/ORGANIZATION: Bunker Hill Sports Association

Please check below specific item(s):

Building Usage Fees [x] Custodial Fees [x]

SCHOOL/ROOMS REQUESTED: Carrington / Gymnasium

DATE(S):	TIMES:
DATE(S):	TIMES:
DATE(S):	TIMES:
DATE(S):	TIMES:
DATE(S):	TIMES:
DATE(S): Sat 12/7 - 3/22	TIMES: 9am - 3pm

9-30-2024
Date

Signature

OFFICE USE ONLY

List total cost of fees being requested to be waived:

$	$ 4,410.	$
Building Usage Fees	Custodial Fees	Security Deposit

BOARD USE ONLY

The Board of Education approved/denied the above referenced waiver request(s) at their regular meeting of _____

ATTEST: _____
Clerk, Board of Education

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT André Johnson NAME OF ORGANIZATION TEAM LOCKED IN

ADDRESS 110 Buckingham St. Waterbury, CT 06710 TELEPHONE # 203.870.5269
(street) (city) (state) (zip code)

SCHOOL REQUESTED Wilson DATES 10-28-24, 4-4-25 ROOM(S) Gym, 1 classroom

OPENING TIME 6 PM CLOSING TIME 9 PM PURPOSE mentoring, basketball, games, practices

ADMISSION (if any) CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4-8 CHILDREN 10-50

SIGNATURE OFAPPLICANT DATE 10-23-24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

André Johnson 110 Buckingham St. Waterbury, CT 06710 (203)870-5269

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. AJ (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

Monday - Thursday

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Monday - Friday

Yook

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Rich Godsil NAME OF ORGANIZATION EMAA

ADDRESS 36 Brubaker Rd Cheshire CT 06410 TELEPHONE #
(street) (city) (state) (zip code)

SCHOOL REQUESTED Kendall Cross DATES 11/12/24 - 3/30/25 ROOM(S) Gym

OPENING TIME 6:00 pm CLOSING TIME 9:00 pm PURPOSE Basketball

ADMISSION (if any) No CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4 CHILDREN 10

SIGNATURE OFAPPLICANT [signature] DATE 10/9/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Rich Godsil 36 Brubaker Cheshire, CT 06410

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. RG (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

Nov 12th
To
March 30th

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Gym Not Available
12/13 2/7 3/14

Monday - Friday

Mark

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Rich Godsil NAME OF ORGANIZATION EMAA

ADDRESS 36 Brubaker Rd Cheshire CT 06410 TELEPHONE #
(street) (city) (state) (zip code)

SCHOOL REQUESTED Rotella DATES 11/12/24 - 3/30/25 ROOM(S) Gym

OPENING TIME 6:00 PM CLOSING TIME 9:00 PM PURPOSE Basketball

ADMISSION (if any) No CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4 CHILDREN 10

SIGNATURE OFAPPLICANT [signature] DATE 10/9/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

Rich Godsil 36 Brubaker Rd Cheshire CT 06410

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. BG (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

11-12-24 To 3-30-25

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Gym NOT Available
1/29

Took

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Nicholas Meglio NAME OF ORGANIZATION Bunker Hill Sports Assoc

ADDRESS 145 Devonwood Drive, Waterbury , CT TELEPHONE # 203-206-7152
(street) (city) (state) (zip code)

SCHOOL REQUESTED Maloney DATES 11/18 - 3/19 0 ROOM(S) Gym

OPENING TIME 5:00 CLOSING TIME 8:30 PURPOSE Basketball

ADMISSION (if any) n/a CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 3-4 CHILDREN 20-25

SIGNATURE OFAPPLICANT [signature] DATE 9-30-2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Nick Meglio / 145 Devonwood Drive / 203-206-7152 BHSA COACHES

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. [initials] (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ ✓ INSURANCE COVERAGE ✓ YES NO

PLEASE READ THE FOLLOWING CAREFULLY

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

Monday & Wednesday

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Nicholas Meglio NAME OF ORGANIZATION Bunker Hill Sports Assoc

ADDRESS 145 Devonwood Drive, Waterbury , CT TELEPHONE # 203-206-7152
(street) (city) (state) 06 (zip code)

SCHOOL REQUESTED WSMS DATES MON Nov 11th-Mar 24th ROOM(S) Gym

OPENING TIME 5pm CLOSING TIME 9pm PURPOSE Basketball

ADMISSION (if any) n/a CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 3-4 pr hr CHILDREN 20-25 pr hr

SIGNATURE OFAPPLICANT DATE 9-30-2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Nick Meglio / 145 Devonwood Dr / 203-206-7152 BHSA COACHES

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

Mondays
Nov 18th -
Mar. 24

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
238 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Nicholas Meglio NAME OF ORGANIZATION Bunker Hill Sports Assoc

ADDRESS 145 Devonwood Drive, Waterbury , CT TELEPHONE # 203-206-7152
(street) (city) (state) (zip code)

SCHOOL REQUESTED Bunker Hill DATES Nov18 - Mar21 Mon-Fri ROOM(S) Gym

OPENING TIME 5:30pm CLOSING TIME 8:30pm PURPOSE Basketball

ADMISSION (if any) n/a CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 2-3 per hr CHILDREN 15-20 per hour

SIGNATURE OFAPPLICANT [signature] DATE 9-30-2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Nick Meglio / 145 Devonwood Drive / 203-206-7152 BHSA COACHES

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. [initials] (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ ✓ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

Monday Thru Friday

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Nicholas Meglio NAME OF ORGANIZATION Bunker Hill Sports Assoc.

ADDRESS 145 Devonwood Drive , Waterbury CT 06708 TELEPHONE # 203-206-7152
(street) (city) (state) (zip code)

SCHOOL REQUESTED Carrington DATES Nov 18 - March 21 Mon-Fri ROOM(S) GYM

OPENING TIME 5:00pm CLOSING TIME 9:00pm PURPOSE Basketball

ADMISSION (if any) n/a CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 2-5per hr CHILDREN 20-25 per hr

SIGNATURE OFAPPLICANT [signature] DATE 09-30-2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Nick Meglio 145 Devonwood Drive 203-206-7152 BHSA Coaches

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. [initials] (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ ✓ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY

5:15 - 9pm

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

Monday - Friday

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Can't come in T.I after 5:00 Due to AfterSch. Program

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Robert McGovern NAME OF ORGANIZATION East Mountain Neighborhood Assn

ADDRESS 38 Gayfield Rd. Waterbury, CT 06706-2316 TELEPHONE # 203-558-7041
(street) (city) (state) (zip code)

SCHOOL REQUESTED Wendell Cross DATES November 20, 2024 ROOM(S) Cafetorium

OPENING TIME 6:15PM CLOSING TIME 8:45PM PURPOSE East Mountain Neighborhood Meeting

ADMISSION (if any)_____ CHARGE TO BE DEVOTED TO_____

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 45 CHILDREN 0

SIGNATURE OFAPPLICANT Robert McGovern DATE October 18, 2024

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Robert McGovern

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings._____(PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:_____

RENTAL FEES:_____

MISCELLANEOUS FEES:_____

SECURITY DEPOSIT $_____ INSURANCE COVERAGE_____YES_____NO

PLEASE READ THE FOLLOWING CAREFULLY

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE_____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Book

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

APPLICANT Oliver Macklin AD/ Christa Chodkowski NAME OF ORGANIZATION Catholic Academy Waterbury

ADDRESS 386 Robinwood Road Waterbury, CT 06708 TELEPHONE # 203-756-5313
(street) (city) (state) (zip code)

SCHOOL REQUESTED Gilmartin DATES November 1, 2024 - April 1, 2025 ROOM(S) Gym - Basketball

OPENING TIME 6pm CLOSING TIME 9pm PURPOSE Basketball games & practice

ADMISSION (if any) CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 20-30 CHILDREN 8-12

SIGNATURE OFAPPLICANT [signature] DATE 10/21/24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:
Individual Coaches - Oliver Macklin, Carl Parks, Eric Parks, Tiffany Velazquez, Katie Sevelowitz Father Name

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE ✓ YES NO

PLEASE READ THE FOLLOWING CAREFULLY

OK

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON - ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE

SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

CONTRACT#

APPLICANT Terence Lott NAME OF ORGANIZATION Waterbury Ballers

ADDRESS 25 Grand Ave (street) Waterbury (city) CT (state) 06704 (zip code) TELEPHONE # 203-509-4757 203-805-1884

SCHOOL REQUESTED Chase DATES 11/16 - 3/1/25 ROOM(S) Gym

OPENING TIME 4 pm CLOSING TIME 9 pm PURPOSE Basketball Program

ADMISSION (if any) _____ CHARGE TO BE DEVOTED TO _____

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 4 CHILDREN 25

SIGNATURE OF APPLICANT _____ DATE 10-29-24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

Terence Lott Sr (203-509-4757), Terence Lott Jr (203-805-1884)

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. TL (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: _____

RENTAL FEES: _____

MISCELLANEOUS FEES: _____

SECURITY DEPOSIT $ _____ INSURANCE COVERAGE ✓ YES _____ NO

PLEASE READ THE FOLLOWING CAREFULLY

Mondays
Thru
Thursday

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

F SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON -ALL ACTIVITIES ARE CANCELLED ALSO.

HERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

ANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

OLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH EPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

ALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

TCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE PT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

EASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

S AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS L BE RIGIDLY ENFORCED.

PROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE OOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Hoodka

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

CONTRACT#

APPLICANT Terence Loft NAME OF ORGANIZATION Waterbury Ballo-

ADDRESS 25 Gradbe Waterbury CT 06704 TELEPHONE # 203-509-4757
(street) (city) (state) (zip code) 203-805-1884

SCHOOL REQUESTED Generali DATES 11/4-3/1/25 ROOM(S) Gym

OPENING TIME 6 p.m. CLOSING TIME 9 p.m. PURPOSE Basketball Program

ADMISSION (if any) _____ CHARGE TO BE DEVOTED TO _____

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS 3 CHILDREN 25

SIGNATURE OF APPLICANT _____ DATE 10-29-24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

Terence Loft Sr (203-509-4757), Terence Loft Jr (203-805-1884)

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. TL (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES: _____

RENTAL FEES: _____

MISCELLANEOUS FEES: _____

SECURITY DEPOSIT $ _____ INSURANCE COVERAGE ✓ YES _____ NO

PLEASE READ THE FOLLOWING CAREFULLY

Monday
Thru
Friday

APPLICATION MUST BE RECEIVED AT LEAST THREE (3) WEEKS PRIOR TO THE ACTIVITY.

A COPY OF YOUR INSURANCE MUST ACCOMPANY YOUR APPLICATION (IF APPLICABLE)

IF SCHOOL IS CANCELLED FOR SNOW OR ANY OTHER REASON -ALL ACTIVITIES ARE CANCELLED ALSO.

THERE WILL BE NO ACTIVITIES DURING SCHOOL OPEN HOUSE.

CANCELLATIONS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE OR YOU WILL BE CHARGED.

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

CALL THE SCHOOL CUSTODIAN AT LEAST ONE WEEK PRIOR TO YOUR ACTIVITY FOR ANY ARRANGEMENTS RE: PA SYSTEM, LIGHTING, ETC. (FOR WHICH THERE WILL BE AN EXTRA CHARGE).

KITCHEN FACILITIES CAN NOT BE USED BY GROUPS WITHOUT SUPERVISION - PLEASE CALL THE FOOD SERVICE DEPT. AT 574-8210 TO ARRANGE FOR A FOOD SERVICE PERSON (FOR WHICH THERE WILL BE AN EXTRA CHARGE)

PLEASE SEE REVERSE FOR ADDITIONAL RULES AND REGULATIONS.

IT IS AGREED THAT REGULATIONS ADOPTED BY THE BOARD OF EDUCATION FOR USE OF SCHOOL BUILDINGS WILL BE RIGIDLY ENFORCED.

APPROVAL DATE _____ _____
SCHOOL BUSINESS OFFICE

CHECKS OR MONEY ORDERS FOR FEES SHOULD BE MADE OUT TO THE BOARD OF EDUCATION AND MAILED TO THE SCHOOL BUSINESS OFFICE. NO CASH WILL BE ACCEPTED.

White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian

Took

DEPARTMENT OF EDUCATION - WATERBURY, CONNECTICUT
SCHOOL BUSINESS OFFICE
236 GRAND ST., WATERBURY, CT 06702 CONTRACT#
USE OF BUILDING PERMIT
TYPE OR USE PEN AND PRESS FIRMLY

Other Chris Andrzej

APPLICANT Waterbury PAL NAME OF ORGANIZATION Waterbury PAL

ADDRESS 64 Division St. Waterbury, CT 06704 TELEPHONE # 203-288-7761
(street) (city) (state) (zip code)

SCHOOL REQUESTED Maloney DATES 11/7 - 3/13 ROOM(S) Gym

OPENING TIME 6 pm CLOSING TIME 8:30 pm PURPOSE Basket Ball

ADMISSION (if any) CHARGE TO BE DEVOTED TO

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS CHILDREN

SIGNATURE OFAPPLICANT DATE 10-31-24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

✓ Nick Andrzewski 203-819-9077

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:

RENTAL FEES:

MISCELLANEOUS FEES:

SECURITY DEPOSIT $ INSURANCE COVERAGE YES NO

PLEASE READ THE FOLLOWING CAREFULLY VOK

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Tues & Thurs

POLICE AND FIRE PROTECTION MUST BE ARRANGED AND/OR CANCELLED BY THE RENTER. PLEASE CALL EACH DEPARTMENT FOR INFORMATION. POLICE DEPT. 574-6963 FIRE DEPT. 597-3452

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APPLICANT Waterbury PAL NAME OF ORGANIZATION Waterbury PAL

ADDRESS 64 Division St. Waterbury, CT 06704 TELEPHONE # 203-288-7761
(street) (city) (state) (zip code)

SCHOOL REQUESTED WSMS DATES 11/7-3/13 ROOM(S) Gym

OPENING TIME 6p CLOSING TIME 9p. PURPOSE Basketball

ADMISSION (if any)_____ CHARGE TO BE DEVOTED TO_____

APPROXIMATE NUMBER OF PEOPLE TO BE PRESENT: ADULTS_____ CHILDREN_____

SIGNATURE OFAPPLICANT [signature] DATE 10-31-24

PERSON(S) NAME, ADDRESS & PHONE NUMBER RESPONSIBLE FOR SUPERVISION:

✓ Nick Andrzewski 203-819-9077

In the event that the Board of Education should need to resort to legal proceedings to collect any outstanding balances, the lessee is responsible for any and all attorney's fees, sheriff's fees and court costs associated with said proceedings. [initials] (PLEASE INITIAL)

SCHEDULE OF RATES: CUSTODIAL FEES:_____

RENTAL FEES:_____

MISCELLANEOUS FEES:_____

SECURITY DEPOSIT $_____ INSURANCE COVERAGE ✓ YES_____ NO

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Tues. & Thurs.

APPROVAL DATE_____ _____
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White-Permittee Goldenrod-School Business Office Pink-Principal Blue-Custodian



COMMUNICATIONS



October 16, 2024 through
November 5, 2024

Waterbury Public Schools
Office of the School Inspector

School Maintenance Overview

- Building & Grounds
- Ventilation
- Walkthrough Inspection
- Integrated Pest Management
- Waste Management
- Food Service

RECEIVED
By Carrie A. Swain at 12:45 pm, Nov 05, 2024

Indoor Air Quality

The Board of Education recognizes that the maintenance of acceptable temperature, relative humidity and adequate fresh air ventilation in school buildings is a primary objective in the creation and maintenance of an optimal learning environment.

The Superintendent or his/her designee shall implement an indoor air quality program that provides for ongoing maintenance and facility reviews, in accordance with all applicable state statutes, necessary for the maintenance and improvement of the indoor air quality of all District facilities.

PURPOSE: The purpose of this policy/regulation is to ensure that reported indoor air quality concerns receive prompt and adequate response and to provide guidelines for a comprehensive, systematic diagnostic evaluation of conditions.

DEFINITIONS (for the purpose of this policy):

- ***Indoor Air Quality* (IAQ)** means chemical, physical, or biological characteristics of indoor air which can adversely affect the health, comfort, or overall wellbeing of building occupants.
- ***Intermittent sources of indoor pollution*** means contaminants that are not constantly present in the facility or workplace.
- ***IAQ health effects*** means non-specific symptoms, which may be related to, caused by, or exacerbated by IAQ conditions. These symptoms can include headaches, fatigue, nausea, and dermal, eye, or respiratory irritation.
- ***NIOSH*** means the National Institute for Occupational Safety and Health.
- **ASHRAE** means American Society of Heating, Refrigerating, and Air Conditioning Engineers.
- **Standard 62** means the recognized standard for ventilation system design and acceptable indoor air quality (IAQ) in order to minimize adverse health effects for occupants.

Heating, Ventilation, and Air Conditioning (HVAC)

Heating, ventilation, and air conditioning systems (HVAC) shall be maintained in accordance with the prevailing maintenance systems, such as Standard 62. The Board directs the Superintendent or his/her designee to ensure that such systems shall be operated continuously during the hours in which students or school personnel occupy school facilities except during periods of scheduled maintenance or emergency repairs or at other times when it can be demonstrated that the air supply system meets the Standard 62 requirements for air changes per hour.

Records shall be maintained on the maintenance of the District's heating, ventilation, and air conditioning systems for a period of not less than five years. Such records shall be available to the public upon request.

Prior to January 1, 2025, and every five years thereafter, the local Board of Education shall provide for a uniform inspection and evaluation of the heating, ventilation and air conditioning system within each school building under its jurisdiction. Such inspection and evaluation shall be performed by a certified testing, adjusting and balancing technician, an industrial hygienist certified by the American Board of Industrial Hygiene or the Board for Global EHS Credentialing, or a mechanical engineer. Such heating, ventilation and air conditioning systems inspection and evaluation shall be submitted to Department of Administrative Services (DAS).

Indoor Air Quality, continued

The District shall report biennially, in a manner as required, to the Commissioner of Education on the condition of its facilities, its long range facilities program, its air quality program, and green cleaning program. The Board must utilize standard reporting forms to conduct and report on both IAQ and HVAC inspections and must provide The Department of Administrative Services (DAS) the completed forms for each school. The forms and/or reports must be made available at a regularly scheduled Board of Education meeting and on the Board of Education/individual school website.

The inspection and evaluation program shall include, but not be limited to, a review, inspection or evaluation of the following:

1. the heating, ventilating, and air conditioning (HVAC) systems;
2. radon levels in the air and water;
3. potential for exposure to microbiological airborne particles, including fungi, mold, and bacteria;
4. chemical compounds of concern to indoor air quality, including volatile organic compounds;
5. pest infestation, including insects and rodents;
6. pesticide usage;
7. the presence and plans for removal of certain hazardous substances identified under federal law;
8. ventilation systems;
9. plumbing, including water distribution systems, drainage systems, and fixtures;
10. moisture incursion (leaks);
11. the facilities' overall cleanliness;
12. building structural elements, including roofing, basements, and slabs;
13. the use of space, particularly in areas designed to be unoccupied; and
14. the provision of indoor air quality maintenance training for building staff.

Legal Reference: Connecticut General Statutes
10-220 Duties of boards of education
10-231(f) Indoor air quality committees
10-282(19) Definitions
10-283 Applications for grants for school building projects
10-286 (a)(9) Computation of school building project grants
10-291 Approval of plans and site. Expense limit
10-292 Review of final plans by Commissioner of Education. Exceptions; role of local officials
10-231g Green Cleaning Program at schools: Definitions, Implementation, Notice
PA 22-118 An Act Concerning the State Budget for the Biennium Ending June 30, 2023
PA 23-167 An Act Concerning Transparency in Education

Policy adopted by the Waterbury Board of Education on June 6, 2013 and revised on March 21, 2024

Bucks Hill Elementary School



Building and Grounds Maintenance Checklist

Name: Co worker

School: Bucks Hill

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Bucks Hill

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Bucks Hill

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Bucks Hill

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Bucks Hill

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHADOW

School: Bucks Hill

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Bunker Hill Elementary School



Building and Grounds Maintenance Checklist

Name: Kongpe

School: BUNKER HILL

Room or Area: _____ Date Completed: 1/17/23

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: MICHAEL KOMOSKA

School: BUNKER HILL

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☑	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: COMPTON

School: BUNKER HILL

Unit Ventilator/AHU No:

Room or Area: Date Completed: 1/17/23

Signature:

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑

OR

3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: COMPLETA

School: BUNKER HILL GLOBE

Room or Area: _____ Date Completed: 1/17/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☐	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☑	☐	☑ NOT APPLICABLE

NOTES



Integrated Pest Management Checklist

Name: CANOPICA

School: BUNKER HILL ELEM

Room or Area: _____ Date Completed: 1/29/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

	Yes	No	N/A
1a. Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

	Yes	No	N/A
2a. Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b. Involved decision makers in the IPM program	☑	☐	☐
2c. Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d. Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e. Developed a program to educate and train all IPM participants	☐	☑	☐
2f. Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

	Yes	No	N/A
3a. Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b. Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

	Yes	No	N/A
4a. Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b. Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c. Pinpointed the source of any current pest problems	☑	☐	☐
4d. Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e. Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f. Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☐	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: AAm SHABm

School: Bunker Hill

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Carrington Elementary School



Building and Grounds Maintenance Checklist

Name: Conopica

School: Carrington

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Carrington

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Carrington

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☑	
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☑	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☑	

OR

3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Carrington

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Carrington

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☐	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☐	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

		Yes	No	N/A
7h.	Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i.	Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j.	Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k.	Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l.	Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m.	Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n.	Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o.	Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p.	Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q.	Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a.	Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b.	Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c.	Ensured that each log book contains the following items:			
	• Copy of the pest management plan	☐	☐	☐
	• Service schedules for maintenance of buildings and grounds	☐	☐	☐
	• Current EPA-registered labels	☐	☐	☐
	• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
	• Pest surveillance data sheets	☐	☐	☐
	• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Carrington

Room or Area: _____ Date Completed: 9/22/11

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Chase Elementary School



Building and Grounds Maintenance Checklist

Name: Conopca

School: Chase

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☑	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☑	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Chase

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Chase

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Chase

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Chase

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☐
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: Adam Thaw

School: Chen

Room or Area: _____ Date Completed: 9/21/22

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Roberto Clemente International Dual Language School



Building and Grounds Maintenance Checklist

Name: Compica

School: International

Room or Area: _____ Date Completed: 9/09/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: International

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: International

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: International

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: International

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

		Yes	No	N/A
2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

		Yes	No	N/A
3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

		Yes	No	N/A
4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: International

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☐	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Crosby High School



Building and Grounds Maintenance Checklist

Name: Tony

School: Crosby

Room or Area: _____ Date Completed: 9/17/24

Signature: MKavanagh

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Crosby

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Crosby

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☑	☐
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☑	☐
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	☐
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	☐
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	☐
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	☐

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☐	☐	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	☐

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	☐
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	☐

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	☐

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☐	☐	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	☐

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Crosby

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Crosby

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Crosby

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Wendell Cross Elementary School



Building and Grounds Maintenance Checklist

Name: Cowpica

School: W. Cross

Room or Area: _____ Date Completed: 2/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: W. Cross

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: W. Cross

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	☐
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	☐
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	☐
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	☐
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	☐
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	☐

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	☐
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	☐

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☐	☐	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☐	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	☐

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	☐
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	☐

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: W. Cross

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: W. Cross

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☑
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: Adam Shaban

School: W Cross

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Driggs Elementary School



Building and Grounds Maintenance Checklist

Name: Concepcion

School: Driggs

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Driggs

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Driggs

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Driggs

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Driggs

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAW

School: Driggs

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Duggan Elementary School



Building and Grounds Maintenance Checklist

Name: Kouyate

School: Duggan

Room or Area: _____ Date Completed: 9/19/24

Signature: MKouyate

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☑	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Duggan

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Duggan

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☑	
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☐	☐	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☐	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☐	☐	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☐	☐	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Duggan

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Duggan

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Duggan

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☒	☒
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Enlightenment Program



Building and Grounds Maintenance Checklist

Name: Canopy Tree Service

School: Hunt Elementary School

Room or Area: _____ Date Completed: 10/2/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☑	☐	☐
1b.	Reviewed supply labels	☑	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☑	☐	☐
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☐
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☑	☐	☐

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☐	☑	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☑	☐	☐
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☐	☑	☐
5c. Flushed toilets once each week (if not used regularly)	☐	☑	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☑	☐	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☑	☐	☐
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☑	☐	☐

NOTES



Ventilation Checklist

Name: COMPLETE

School: Enlightened school

Unit Ventilator/AHU No:

Room or Area: Date Completed: 10/2/24

Signature:

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☑	☐	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☐	☑	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☑	☐	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☐	☑	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☐	☑	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☑	☐
3h. Checked that the line dryer prevents moisture buildup	☐	☑	☐
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☑	☐
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☑	☐

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☑	☐	☐
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☑	☐	☐
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☑	☐	☐

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☑	☐
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☑	☐
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	☐
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	☐
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	☐
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	☐

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☑	☐
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☐	☑	☐
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	☐

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	☐
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	☐

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	☐

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	☐
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	☐

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☑	☐

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☐	☑	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☑	☐
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☑	☐
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☑	☐	☐
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☑	☐	☐

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following.

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

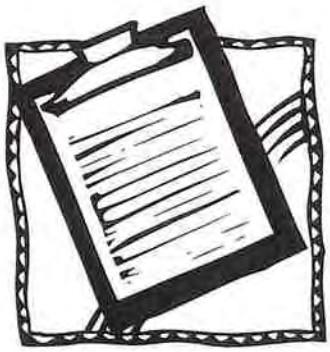
NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: [illegible]

School: [illegible] school

Room or Area: _____ Date Completed: 10/2/24

Signature: [illegible]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☐	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☐	☑	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☐	☑	☐
Toilets are flushed at least once per week	☐	☑	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☐	☐	☑
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☑	☐	☐

NOTES



Integrated Pest Management Checklist

Name: Complex

School: Englewood school

Room or Area: _____ Date Completed: 10/2/24

Signature: H Compa

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

		Yes	No	N/A
2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☑	☐	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☑	☐	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

		Yes	No	N/A
3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

		Yes	No	N/A
4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☐	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☐	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Playgrounds	☑	☐	☐
• Parking lots	☑	☐	☐
• Lawns and athletic fields	☑	☐	☐
• Teaching gardens or greenhouses	☑	☐	☐
• Loading docks	☑	☐	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☑	☐	☐
• Other	☑	☐	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☐	☑	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



Waste Management Checklist

Name: Kompika

School: Enlightment school

Room or Area: _____ Date Completed: 10/2/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☑	☐	☐
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☐	☑	☐
1d. Labeled recycling bins clearly	☑	☐	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☐	☐	☑
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☑	☐	☐
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☑	☐	☐
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☑	☐	☐
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☑	☐	☐
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☑	☐	☐
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☑	☐	☐
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☑	☐	☐
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☑	☐	☐

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☑	☐	☐
• Service schedules for maintenance of buildings and grounds	☑	☐	☐
• Current EPA-registered labels	☑	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☑	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☑	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAW

School: Englishtown

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

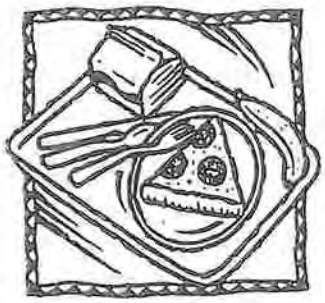
2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Generali Elementary School



Building and Grounds Maintenance Checklist

Name: Complete

School: General

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☐
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Generali

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☐	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: General

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: General

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

	Yes	No	N/A
1a. Ensured that ventilation units operate properly	☑	☐	☐
1b. Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d. Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e. Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f. Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g. Minimized pesticide application	☑	☐	☐
1h. Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i. Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j. Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a. Ensured that the roof is in good condition	☑	☐	☐
2b. Checked for evidence of water ponding	☑	☐	☐
2c. Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d. Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e. Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g. Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a. Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b. Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a. Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b. Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c. Checked for odors	☑	☐	☐
4d. Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: General:

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: General

Room or Area: _____ Date Completed: 5/27/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	❑	❑
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	❑	❑
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	❑	❑



NOTES

Gilmartin Elementary School



Building and Grounds Maintenance Checklist

Name: Compliance

School: Gil Martin

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Gil Martin

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Gil Martin

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☐	☑	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☑	☐
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	☐
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑

OR

3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☐	☐	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: G.I. Martin

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Gilmartin

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

	Yes	No	N/A
1a. Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

	Yes	No	N/A
2a. Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b. Involved decision makers in the IPM program	☑	☐	☐
2c. Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d. Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e. Developed a program to educate and train all IPM participants	☐	☑	☐
2f. Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

	Yes	No	N/A
3a. Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b. Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

	Yes	No	N/A
4a. Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b. Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c. Pinpointed the source of any current pest problems	☑	☐	☐
4d. Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e. Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f. Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Gilbert

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Hopeville Elementary School



Building and Grounds Maintenance Checklist

Name: Comorica

School: Hopeville

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Hopeville

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Hopevine

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Hopevine

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Hopeville

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

	Yes	No	N/A
1a. Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

	Yes	No	N/A
2a. Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b. Involved decision makers in the IPM program	☑	☐	☐
2c. Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d. Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e. Developed a program to educate and train all IPM participants	☐	☑	☐
2f. Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

	Yes	No	N/A
3a. Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b. Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

	Yes	No	N/A
4a. Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b. Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c. Pinpointed the source of any current pest problems	☑	☐	☐
4d. Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e. Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f. Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Hopeville

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Kennedy High School



Building and Grounds Maintenance Checklist

Name: Contract

School: Kennedy

Room or Area: _____ Date Completed: 9/09/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Kennedy

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Kennedy

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☐	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑

OR

3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	☐
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	☐

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Kennedy

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	❑	❑
4f. Checked for evidence of pests and obvious food sources	☑	❑	❑
4g. Noted and reviewed all concerns from school occupants	☑	❑	❑

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	❑	❑
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	❑	❑
Water is poured into sinks at least once per week (about 2 cups of water)	☑	❑	❑
Toilets are flushed at least once per week	☑	❑	❑

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	❑	❑
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	❑	❑
6c. Ensured that portable fuel containers are properly closed	☑	❑	❑
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	❑	❑

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	❑	❑
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	❑	❑
7c. Checked for leaks, disconnections, and deterioration	☑	❑	❑
7d. Ensured there is no soot on inside or outside of flue components	☑	❑	❑

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	❑	❑
8b. Determined date of last radon test	❑	❑	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Kennedy

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

		Yes	No	N/A
2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

		Yes	No	N/A
3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

		Yes	No	N/A
4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Kingsbury Elementary School



Building and Grounds Maintenance Checklist

Name: Compica

School: Kingsbury

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Kingsbury

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Kingsbury

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Kingsbury

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

	Yes	No	N/A
1a. Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

	Yes	No	N/A
2a. Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b. Involved decision makers in the IPM program	☑	☐	☐
2c. Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d. Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e. Developed a program to educate and train all IPM participants	☐	☑	☐
2f. Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

	Yes	No	N/A
3a. Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b. Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

	Yes	No	N/A
4a. Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b. Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c. Pinpointed the source of any current pest problems	☑	☐	☐
4d. Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e. Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f. Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☐
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Kings

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Maloney Interdistrict Magnet School



Building and Grounds Maintenance Checklist

Name: Compics

School: Maloney

Room or Area: _____ Date Completed: 9/12/24

Signature: MCom

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Maloney

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Maloney

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	❑	❑
2g. Cleaned drain pans	☑	❑	❑
2h. Checked drain pans for mold and mildew	☑	❑	❑

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	❑	❑

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	❑	❑
2k. Ensured that ducts are clean	☑	❑	❑

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	❑	❑
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	❑	❑

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	❑	❑
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	❑	❑

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	❑	❑

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	❑	❑
3e. Set time clocks appropriately	☑	❑	❑
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	❑	❑

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	❑	❑	☑
3h. Checked that the line dryer prevents moisture buildup	❑	❑	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	❑	❑	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	❑	❑	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	❑	❑	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	❑	❑	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	❑	❑	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☐	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	☐
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	☐
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	☐
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	☐
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	☐

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	☐
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	☐

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	☐
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	☐

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	☐

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	☐
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	☐

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Maloney

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Maloney

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAQAN

School: Mclary

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

North End Middle School



Building and Grounds Maintenance Checklist

Name: Contractor

School: North End

Room or Area: _____ Date Completed: 9/19/24

Signature: [illegible]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: North End

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: North End

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☐	☐	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☐	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: North End

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: North End

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

		Yes	No	N/A
2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

		Yes	No	N/A
3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

		Yes	No	N/A
4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☑	☐	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: Adam Sibson

School: North End

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Reed Elementary School



Building and Grounds Maintenance Checklist

Name: Compass

School: Reed

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Reed

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Reed

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☐	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☐	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	☐
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	☐
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	☐
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	☐

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☐	☐	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	☐

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☐	☐	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☐	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☐	☐	☐

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☐	☐	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☐	☐	☐

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Reed

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Reed

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Reed

Room or Area: _____ Date Completed: 9/24/19

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Regan Elementary School



Building and Grounds Maintenance Checklist

Name: Leonard

School: Regan

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Regan

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Regan

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Regan

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	❑	❑
1b.	Ensured there are no obstructions blocking air intakes	☑	❑	❑
1c.	Checked for nests and droppings near outdoor air intakes	☑	❑	❑
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	❑	❑
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	❑	❑
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	❑	❑
1g.	Minimized pesticide application	☑	❑	❑
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	❑	❑
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	❑	❑
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	❑	❑

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	❑	❑
2b.	Checked for evidence of water ponding	☑	❑	❑
2c.	Checked that ventilation units operate properly (air flows in)	☑	❑	❑
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	❑	❑
2e.	Ensured that air intakes remain open, even at minimum setting	☑	❑	❑
2f.	Checked for nests and droppings near outdoor air intakes	☑	❑	❑
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	❑	❑

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	❑	❑
3b.	Checked for birds and animal nests	☑	❑	❑

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	❑	❑
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	❑	❑
4c.	Checked for odors	☑	❑	❑
4d.	Checked for signs of mold and mildew growth	☑	❑	❑

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Regan

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

		Yes	No	N/A
2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

		Yes	No	N/A
3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

		Yes	No	N/A
4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAGAN

School: Logan

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Rotella Interdistrict Magnet School



Building and Grounds Maintenance Checklist

Name: Romo

School: Rotella

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☑	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☐	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☐	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☐	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☐	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☐	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☐	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☐	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☐	☐	☐
3b.	Used high efficiency vacuum bags	☐	☐	☐
3c.	Used proper dusting techniques	☐	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☐
3e.	Cleaned air return grilles and air supply vents	☐	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Rotella

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Rotella

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑

OR

3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Rotella

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

	Yes	No	N/A
1a. Ensured that ventilation units operate properly	☑	☐	☐
1b. Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d. Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e. Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f. Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g. Minimized pesticide application	☑	☐	☐
1h. Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i. Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j. Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a. Ensured that the roof is in good condition	☑	☐	☐
2b. Checked for evidence of water ponding	☑	☐	☐
2c. Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d. Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e. Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g. Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a. Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b. Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a. Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b. Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c. Checked for odors	☑	☐	☐
4d. Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Rotella

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

	Yes	No	N/A
1a. Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

	Yes	No	N/A
2a. Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b. Involved decision makers in the IPM program	☑	☐	☐
2c. Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d. Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e. Developed a program to educate and train all IPM participants	☐	☑	☐
2f. Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

	Yes	No	N/A
3a. Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b. Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

	Yes	No	N/A
4a. Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b. Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c. Pinpointed the source of any current pest problems	☑	☐	☐
4d. Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e. Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f. Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Rotella

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Sprague Elementary School



Building and Grounds Maintenance Checklist

Name: Mon of
School: Sprague
Room or Area: _____ Date Completed: 9/19/24
Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Sprague

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Sprague

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☐	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☐	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	☐
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	☐
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	☐
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	☐

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☐	☐	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☐	☐	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	☐
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☐	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☐	☐	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☐	☐	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Sprague

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Sprague

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☐	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAGAN

School: Sprague

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

State Street School



Ventilation Checklist

Name: Compton

School: Lake school

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: 10/2/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☑	☐	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☐	☐	☑

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☐	☑	☐

IAQ

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☑	☐	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☑
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☐
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☐
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☐
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☐

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☐
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☐
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☐

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☐	☑	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	☐
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	☐
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	☐
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	☐
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	☐
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	☐
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	☐

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☑	☐
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	☐
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	☐

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☐	☑	☐
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☑	☐

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	☐

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	☐
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	☐

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☑	☐	☐

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☐	☐	☑

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☑	☐
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☑	☐
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☑	☐	☐
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☑	☐	☐

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☑	☐	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following.

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☑	☐	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☐	☑	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Building and Grounds Maintenance Checklist

Name: Template

School: Staff Hunt

Room or Area: _____ Date Completed: 10/2/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☑	☐	☐
1b.	Reviewed supply labels	☑	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☑	☐	☐
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☐
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☑	☐	☐

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☐	☑	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☑	☐	☐
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☐	☑	☐
5c. Flushed toilets once each week (if not used regularly)	☐	☐	☑

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☑	☐	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☑	☐	☐
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☑	☐	☐

NOTES



Waste Management Checklist

Name: CompPLA

School: Stele Street

Room or Area: _____ Date Completed: 6/7/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☑	☐	☐
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☐	☑	☐
1d. Labeled recycling bins clearly	☑	☐	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☐	☐	☑
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Walkthrough Inspection Checklist

Name: Konoje

School:

Room or Area: Date Completed: 10/2/24

Signature:

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☐	☐	☑
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☐	☑	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☐	☑	☐
Toilets are flushed at least once per week	☐	☑	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☑	☐	☐

NOTES



Integrated Pest Management Checklist

Name: [redacted]

School: [redacted]

Room or Area: _____ Date Completed: _____

Signature: [redacted]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

	Yes	No	N/A
1a. Developed or located the school's official policy statement for integrated pest management (IPM)	☐	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

	Yes	No	N/A
2a. Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b. Involved decision makers in the IPM program	☐	☑	☐
2c. Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d. Encouraged parents to learn about IPM practices and implement them at home	☑	☐	☐
2e. Developed a program to educate and train all IPM participants	☐	☑	☐
2f. Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

	Yes	No	N/A
3a. Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b. Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

	Yes	No	N/A
4a. Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b. Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c. Pinpointed the source of any current pest problems	☑	☐	☐
4d. Monitored to determine the extent of pest problems and to estimate pest populations	☑	☐	☐
4e. Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f. Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☑	☐	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☑	☐	☐
5c. Set action thresholds	☑	☐	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Playgrounds	☑	☐	☐
• Parking lots	☑	☐	☐
• Lawns and athletic fields	☑	☐	☐
• Teaching gardens or greenhouses	☑	☐	☐
• Loading docks	☑	☐	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☑	☐	☐
• Other	☑	☐	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☐	☑	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



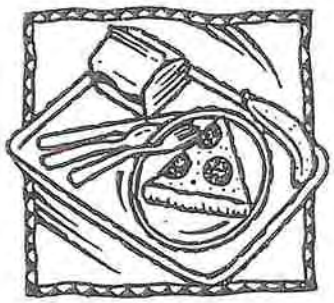
7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☑	☐	☐
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☑	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☑	☐	☐
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☑	☐	☐
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☑	☐	☐

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☐	☐	☑
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☑	☐	☐
• Service schedules for maintenance of buildings and grounds	☑	☐	☐
• Current EPA-registered labels	☑	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☑	☐	☐
• Pest surveillance data sheets	☑	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☑	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Stat- St

Room or Area: _____ Date Completed: 9/27/22

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Tinker Elementary School



Building and Grounds Maintenance Checklist

Name: Kouapka

School: Tinker

Room or Area: _____ Date Completed: 9/19/24

Signature: HKouapka

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Tinker

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Tinker

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Tinker

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

	Yes	No	N/A
1a. Ensured that ventilation units operate properly	☑	☐	☐
1b. Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d. Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e. Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f. Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g. Minimized pesticide application	☑	☐	☐
1h. Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i. Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j. Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a. Ensured that the roof is in good condition	☑	☐	☐
2b. Checked for evidence of water ponding	☑	☐	☐
2c. Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d. Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e. Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g. Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a. Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b. Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a. Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b. Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c. Checked for odors	☑	☐	☐
4d. Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☐	☐	☐
4g. Noted and reviewed all concerns from school occupants	☐	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Tinker

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Tinker

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Wallace Middle School



Building and Grounds Maintenance Checklist

Name: _____

School: Wallace

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☑	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Wallace

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Wallace

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☐
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☐	☐
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☐	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☑	☐	☐

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Wallace

Room or Area: _____ Date Completed: 9/19/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: Sandra

School: Wallace

Room or Area: _____ Date Completed: 9/13

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:			
• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES

FOR ADAM



Food Service Checklist

Name: ADAM SHABAN

School: Walker

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Walsh Elementary School



Building and Grounds Maintenance Checklist

Name: Courtney

School: Walsh

Room or Area: _____ Date Completed: 01/19/22

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Walsh

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Walsh

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Walsh

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Walsh

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

		Yes	No	N/A
2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

		Yes	No	N/A
3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

		Yes	No	N/A
4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐



5. SETTING ACTION THRESHOLDS

	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAW

School: Walsh

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☑
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☐	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☐	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☐	☐	☐



NOTES

Washington Elementary School



Building and Grounds Maintenance Checklist

Name: Complete

School: Washington

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Washington

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Washington

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Washington

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

	Yes	No	N/A
1a. Ensured that ventilation units operate properly	☑	☐	☐
1b. Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d. Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e. Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f. Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g. Minimized pesticide application	☑	☐	☐
1h. Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i. Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j. Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a. Ensured that the roof is in good condition	☑	☐	☐
2b. Checked for evidence of water ponding	☑	☐	☐
2c. Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d. Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e. Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g. Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a. Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b. Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a. Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b. Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c. Checked for odors	☑	☐	☐
4d. Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Washington

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAW

School: Washington

Room or Area: _____ Date Completed: 9/24/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Waterbury Arts Magnet School



Building and Grounds Maintenance Checklist

Name: Cowops

School: Waterbury Arts Magnet School

Room or Area: _____ Date Completed: 9/12/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Waterbury arts magnet school

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Waterbury Arts Magnet School

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☐	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☐	☐	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☐	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Waterbury Arts Magnet School

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

	Yes	No	N/A
1a. Ensured that ventilation units operate properly	☑	☐	☐
1b. Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d. Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e. Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f. Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g. Minimized pesticide application	☑	☐	☐
1h. Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i. Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j. Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*)*

2a. Ensured that the roof is in good condition	☑	☐	☐
2b. Checked for evidence of water ponding	☑	☐	☐
2c. Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d. Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e. Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g. Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a. Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b. Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a. Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b. Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c. Checked for odors	☑	☐	☐
4d. Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Waterbury Arts Magnet School

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☑
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ~~Nate~~ ADAM SHABAN

School: Watsby Arts

Room or Area: _____ Date Completed: 9/21/21

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Waterbury Career Academy High School



Building and Grounds Maintenance Checklist

Name: Complica

School: Waterbury Career Academy

Room or Area: _____ Date Completed: 2/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☑	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Waterbury Career Academy

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: Howard

School: Waterbury Career Academy

Unit Ventilator/AHU No:

Room or Area: Date Completed: 9/19/24

Signature: Howard

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☐	☐	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☐	☐	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Waterbury Career Academy

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

	Yes	No	N/A
1a. Ensured that ventilation units operate properly	☑	☐	☐
1b. Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d. Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e. Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f. Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g. Minimized pesticide application	☑	☐	☐
1h. Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i. Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j. Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a. Ensured that the roof is in good condition	☑	☐	☐
2b. Checked for evidence of water ponding	☑	☐	☐
2c. Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d. Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e. Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f. Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g. Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a. Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b. Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a. Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b. Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c. Checked for odors	☑	☐	☐
4d. Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Waterbury Career Academy

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

		Yes	No	N/A
2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

		Yes	No	N/A
3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

		Yes	No	N/A
4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM J HAGAN

School: Wathby Career Academy

Room or Area: _____ Date Completed: 9/27/22

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☐	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

West Side Middle School



Building and Grounds Maintenance Checklist

Name: Lorna Jr

School: West Side

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: West Side

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: West Side

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

Electronics

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☑	☐	
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☑	
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☑	☐	

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☐	☐	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☑	☐	
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☑	☐	
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☑	
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: West Side

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: West Side

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☐
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHARP

School: West Side

Room or Area: _____ Date Completed: 9/24/25

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☒	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☒	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☒	☒
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☐	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Wilby High School



Building and Grounds Maintenance Checklist

Name: Complex

School: Wilby

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐

4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐



5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Wilby

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Wilby

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	☑	☐	
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	☑	☐	
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	☐	☐	✓
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	☐	☐	✓
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	☑	☐	
• Moving parts are free of impediments (e.g., rust, corrosion)	☑	☐	
• Electrical wire or pneumatic tubing connects to the damper actuator	☑	☐	
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	☑	☐	

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	☐	☐	✓

OR

3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	☑	☐	
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	☑	☐	

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	☑	☐	
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	☑	☐	

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	☑	☐	

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	☑	☐	
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	☑	☐	

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Wilby

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: Sarah

School: Wilby

Room or Area: _____ Date Completed: 9/19/24

Signature: [signature]

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☐	☑	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHABAN

School: Wiley

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☑	☐	☐
1b.	Checked for odors near cooking, preparation, and eating areas	☑	☐	☐
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☑	☐	☐
1d.	Determined that gas appliances function properly	☑	☐	☐
1e.	Verified that gas appliances are vented outdoors	☑	☐	☐
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☑	☐	☐
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

Wilson Elementary School



Building and Grounds Maintenance Checklist

Name: Compass

School: Wilson

Room or Area: _____ Date Completed: 9/12/24

Signature: M Mean

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. BUILDING MAINTENANCE SUPPLIES

		Yes	No	N/A
1a.	Developed appropriate procedures and stocked supplies for spill control	☐	☐	☐
1b.	Reviewed supply labels	☐	☐	☐
1c.	Ensured that air from chemical and trash storage areas vents to the outdoors	☐	☐	☑
1d.	Stored chemical products and supplies in sealed, clearly labeled containers	☑	☐	☐
1e.	Researched and selected the safest products available	☑	☐	☐
1f.	Ensured that supplies are being used according to manufacturers' instructions	☑	☐	☐
1g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐
1h.	Substituted less- or non-hazardous materials (where possible)	☐	☐	☑
1i.	Scheduled work involving odorous or hazardous chemicals for periods when the school is unoccupied	☑	☐	☑
1j.	Ventilated affected areas during and after the use of odorous or hazardous chemicals	☐	☐	☑

2. GROUNDS MAINTENANCE SUPPLIES

2a.	Stored grounds maintenance supplies in appropriate area(s)	☑	☐	☐
2b.	Ensured that supplies are used and stored according to manufacturers' instructions	☑	☐	☐
2c.	Established and followed procedures to minimize exposure to fumes from supplies	☑	☐	☐
2d.	Reviewed and followed manufacturers' guidelines for maintenance	☑	☐	☐
2e.	Replaced portable gas cans with low-emission cans	☑	☐	☐
2f.	Stored chemical products and supplies in sealed, clearly-labeled containers	☑	☐	☐
2g.	Ensured that chemicals, chemical-containing wastes, and containers are disposed of according to manufacturers' instructions	☑	☐	☐

3. DUST CONTROL

3a.	Installed and maintained barrier mats for entrances	☑	☐	☐
3b.	Used high efficiency vacuum bags	☐	☑	☐
3c.	Used proper dusting techniques	☑	☐	☐
3d.	Wrapped feather dusters with a dust cloth	☐	☐	☑
3e.	Cleaned air return grilles and air supply vents	☑	☐	☐



4. FLOOR CLEANING

	Yes	No	N/A
4a. Established and followed schedule for vacuuming and mopping floors	☑	☐	☐
4b. Cleaned spills on floors promptly (as necessary)	☑	☐	☐
4c. Performed restorative maintenance (as necessary)	☑	☐	☐

5. DRAIN TRAPS

5a. Poured water down floor drains once per week (about 1 quart of water)	☐	☑	☐
5b. Ran water in sinks at least once per week (about 2 cups of water)	☑	☐	☐
5c. Flushed toilets once each week (if not used regularly)	☑	☐	☐

6. MOISTURE, LEAKS, AND SPILLS

6a. Checked for moldy odors	☑	☐	☐
6b. Inspected ceiling tiles, floors, and walls for leaks or discoloration (may indicate periodic leaks)	☑	☐	☐
6c. Checked areas where moisture is commonly generated (e.g., kitchens, locker rooms, and bathrooms)	☑	☐	☐
6d. Checked that windows, windowsills, and window frames are free of condensate	☐	☑	☐
6e. Checked that indoor surfaces of exterior walls and cold water pipes are free of condensate	☐	☐	☑
6f. Ensured the following areas are free from signs of leaks and water damage:			
Indoor areas near known roof or wall leaks	☑	☐	☐
Walls around leaky or broken windows	☑	☐	☐
Floors and ceilings under plumbing	☑	☐	☐
Duct interiors near humidifiers, cooling coils, and outdoor air intakes	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for odors from combustion appliances	☑	☐	☐
7b. Checked appliances for backdrafting (using chemical smoke)	☐	☑	☐
7c. Inspected exhaust components for leaks, disconnections, or deterioration	☑	☐	☐
7d. Inspected flue components for corrosion and soot	☑	☐	☐

8. PEST CONTROL

8a. Completed the *Integrated Pest Management Checklist*	☐	☐	☑

NOTES



Waste Management Checklist

Name: _____

School: Wilson

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. WASTE MANAGEMENT

	Yes	No	N/A
1a. Ensured that waste containers are appropriate for use (for example, food waste containers should have lids)	☐	☐	☑
1b. Ensured that waste containers are lined	☑	☐	☐
1c. Ensured that waste from art, science, vocational classes, etc., are handled separately	☑	☐	☐
1d. Labeled recycling bins clearly	☐	☑	☐
1e. Ensured number of bins and dumpsters is adequate	☑	☐	☐
1f. Ensured appropriate location of dumpsters (i.e., away from air intakes, doors, and operable windows in relation to prevailing winds)	☑	☐	☐
1g. Ensured waste containers are emptied regularly	☑	☐	☐
1h. Ensured appropriate waste removal schedule	☑	☐	☐
1i. Ensured waste is stored in a well-ventilated room	☑	☐	☐
1j. Ensured any exhaust fans in the room are operating properly	☑	☐	☐
1k. Checked waste storage areas for odors, contaminants, or signs of vermin	☑	☐	☐

NOTES



Ventilation Checklist

Name: _____

School: Wilson

Unit Ventilator/AHU No: _____

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of this checklist for **each** ventilation unit in your school, as well as a copy for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OUTDOOR AIR INTAKES

	Yes	No	N/A
1a. Marked locations of all outdoor air intakes on a small floor plan (for example, a fire escape floor plan)	☐	☑	☐
1b. Ensured that the ventilation system was on and operating in "occupied" mode	☑	☐	☐

ACTIVITY 1: OBSTRUCTIONS

1c. Ensured that outdoor air intakes are clear of obstructions, debris, clogs, or covers	☑	☐	☐
1d. Installed corrective devices as necessary (e.g., if snowdrifts or leaves frequently block an intake)	☑	☐	☐

ACTIVITY 2: POLLUTANT SOURCES

1e. Checked ground-level intakes for pollutant sources (dumpsters, loading docks, and bus-idling areas)	☑	☐	☐
1f. Checked rooftop intakes for pollutant sources (plumbing vents; kitchen, toilet, or laboratory exhaust fans; puddles; and mist from air-conditioning cooling towers)	☑	☐	☐
1g. Resolved any problems with pollutant sources located near outdoor air intakes (e.g., relocated dumpster or extended exhaust pipe)	☑	☐	☐

ACTIVITY 3: AIRFLOW

1h. Obtained chemical smoke (or a small piece of tissue paper or light plastic)	☐	☑	☐
1i. Confirmed that outdoor air is entering the intake appropriately	☑	☐	☐

2. SYSTEM CLEANLINESS

ACTIVITY 4: AIR FILTERS

2a. Replaced filters per maintenance schedule	☑	☐	☐
2b. Shut off ventilation system fans while replacing filters (prevents dirt from blowing downstream)	☑	☐	☐
2c. Vacuumed filter areas before installing new filters	☑	☐	☐
2d. Confirmed proper fit of filters to prevent air from bypassing (flowing around) the air filter	☑	☐	☐
2e. Confirmed proper installation of filters (correct direction for airflow)	☑	☐	☐

2. SYSTEM CLEANLINESS (continued)



ACTIVITY 5: DRAIN PANS

	Yes	No	N/A
2f. Ensured that drain pans slant toward the drain (to prevent water from accumulating)	☑	☐	☐
2g. Cleaned drain pans	☑	☐	☐
2h. Checked drain pans for mold and mildew	☐	☑	☐

ACTIVITY 6: COILS

2i. Ensured that heating and cooling coils are clean	☑	☐	☐

ACTIVITY 7: AIR-HANDLING UNITS, UNIT VENTILATORS

2j. Ensured that the interior of air-handling unit(s) or unit ventilator (air-mixing chamber and fan blades) is clean	☑	☐	☐
2k. Ensured that ducts are clean	☑	☐	☐

ACTIVITY 8: MECHANICAL ROOMS

2l. Checked mechanical room for unsanitary conditions, leaks, and spills	☑	☐	☐
2m. Ensured that mechanical rooms and air-mixing chambers are free of trash, chemical products, and supplies	☑	☐	☐

3. CONTROLS FOR OUTDOOR AIR SUPPLY

3a. Ensured that air dampers are at least partially open (minimum position)	☑	☐	☐
3b. Ensured that minimum position provides adequate outdoor air for occupants	☑	☐	☐

ACTIVITY 9: CONTROLS INFORMATION

3c. Obtained and reviewed all design inside/outside temperature and humidity requirements, controls specifications, as-built mechanical drawings, and controls operations manuals (often uniquely designed)	☑	☐	☐

ACTIVITY 10: CLOCKS, TIMERS, SWITCHES

3d. Turned summer-winter switches to the correct position	☑	☐	☐
3e. Set time clocks appropriately	☑	☐	☐
3f. Ensured that settings fit the actual schedule of building use (including night/weekend use)	☑	☐	☐

ACTIVITY 11: CONTROL COMPONENTS

3g. Ensured appropriate system pressure by testing line pressure at both the occupied (day) setting and the unoccupied (night) setting	☐	☐	☑
3h. Checked that the line dryer prevents moisture buildup	☐	☐	☑
3i. Replaced control system filters at the compressor inlet based on the compressor manufacturer's recommendation (for example, when you blow down the tank)	☐	☐	☑
3j. Set the line pressure at each thermostat and damper actuator at the proper level (no leakage or obstructions)	☐	☐	☑

ACTIVITY 12: OUTDOOR AIR DAMPERS

3k. Ensured that the outdoor air damper is visible for inspection	☐	☐	☑
3l. Ensured that the recirculating relief and/or exhaust dampers are visible for inspection	☐	☐	☑
3m. Ensured that air temperature in the indoor area(s) served by each outdoor air damper is within the normal operating range	☐	☐	☑

NOTE: It is necessary to ensure that the damper is operating properly and within the normal range to continue.



3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)

	Yes	No	N/A
3n. Checked that the outdoor air damper fully closes within a few minutes of shutting off appropriate air handler	❑	❑	☑
3o. Checked that the outdoor air damper opens (at least partially with no delay) when the air handler is turned on	❑	❑	☑
3p. If in heating mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 85°F	❑	❑	☑
3q. If in cooling mode, checked that the outdoor air damper goes to its minimum position (without completely closing) when the room thermostat is set to 60°F and mixed air thermostat is set to 45°F	❑	❑	☑
3r. If the outdoor air damper does not move, confirmed the following items:			
• The damper actuator links to the damper shaft, and any linkage set screws or bolts are tight	❑	❑	☑
• Moving parts are free of impediments (e.g., rust, corrosion)	❑	❑	☑
• Electrical wire or pneumatic tubing connects to the damper actuator	❑	❑	☑
• The outside air thermostat(s) is functioning properly (e.g., in the right location, calibrated correctly)	❑	❑	☑

Proceed to Activities 13–16 if the damper seems to be operating properly.

ACTIVITY 13: FREEZE STATS

3s. Disconnected power to controls (for automatic reset only) to test continuity across terminals	❑	❑	☑
OR			
3t. Confirmed (if applicable) that depressing the manual reset button (usually red) trips the freeze stat (clicking sound indicates freeze stat was tripped)	❑	❑	☑
3u. Assessed the feasibility of replacing all manual reset freeze-stats with automatic reset freeze-stats	❑	❑	☑

NOTE: HVAC systems with water coils need protection from the cold. The freeze-stat may close the outdoor air damper and disconnect the supply air when tripped. The typical trip range is 35°F to 42°F.

ACTIVITY 14: MIXED AIR THERMOSTATS

3v. Ensured that the mixed air stat for heating mode is set no higher than 65°F	❑	❑	☑
3w. Ensured that the mixed air stat for cooling mode is set no lower than the room thermostat setting	❑	❑	☑

ACTIVITY 15: ECONOMIZERS

3x. Confirmed proper economizer settings based on design specifications or local practices	❑	❑	☑

NOTE: The dry-bulb is typically set at 65°F or lower.

3y. Checked that sensor on the economizer is shielded from direct sunlight	❑	❑	☑
3z. Ensured that dampers operate properly (for outside air, return air, exhaust/relief air, and recirculated air), per the design specifications	❑	❑	☑

NOTE: Economizers use varying amounts of cool outdoor air to assist with the cooling load of the room or rooms. There are two types of economizers, dry-bulb and enthalpy. Dry-bulb economizers vary the amount of outdoor air based on outdoor temperature, and enthalpy economizers vary the amount of outdoor air based on outdoor temperature and humidity level.

3. CONTROLS FOR OUTDOOR AIR SUPPLY (continued)



ACTIVITY 16: FANS

	Yes	No	N/A
3aa. Ensured that all fans (supply fans and associated return or relief fans) that move outside air indoors continuously operate during occupied hours (even when room thermostat is satisfied)	☐	☐	☑

NOTE: If fan shuts off when the thermostat is satisfied, adjust control cycle as necessary to ensure sufficient outdoor air supply.

4. AIR DISTRIBUTION

ACTIVITY 17: AIR DISTRIBUTION

4a. Ensured that supply and return air pathways in the existing ventilation system perform as required	☑	☐	☐
4b. Ensured that passive gravity relief ventilation systems and transfer grilles between rooms and corridors are functioning	☑	☐	☐

NOTE: If ventilation system is closed or blocked to meet current fire codes, consult with a professional engineer for remedies.

4c. Made sure every occupied space has supply of outdoor air (mechanical system or operable windows)	☑	☐	☐
4d. Ensured that supply and return vents are open and unblocked	☑	☐	☐

NOTE: If outlets have been blocked intentionally to correct drafts or discomfort, investigate and correct the cause of the discomfort and reopen the vents.

4e. Modified the HVAC system to supply outside air to areas without an outdoor air supply	☐	☐	☑
4f. Modified existing HVAC systems to incorporate any room or zone layout and population changes	☐	☐	☑
4g. Moved all barriers (for example, room dividers, large free-standing blackboards or displays, bookshelves) that could block movement of air in the room, especially those blocking air vents	☐	☐	☑
4h. Ensured that unit ventilators are quiet enough to accommodate classroom activities	☑	☐	☐
4i. Ensured that classrooms are free of uncomfortable drafts produced by air from supply terminals	☐	☐	☑

ACTIVITY 18: PRESSURIZATION IN BUILDINGS

NOTE: To prevent infiltration of outdoor pollutants, the ventilation system is designed to maintain positive pressurization in the building. Therefore, ensure that the system, including any exhaust fans, is operating on the "occupied" cycle when doing this activity.

4j. Ensured that air flows out of the building (using chemical smoke) through windows, doors, or other cracks and holes in exterior wall (for example, floor joints, pipe openings)	☐	☑	☐

5. EXHAUST SYSTEMS

ACTIVITY 19: EXHAUST FAN OPERATION

5a. Checked (using chemical smoke) that air flows into exhaust fan grille(s)	☑	☐	☐

If fans are running but air is not flowing toward the exhaust intake, check for the following:

- *Inoperable dampers*
- *Obstructed, leaky, or disconnected ductwork*
- *Undersized or improperly installed fan*
- *Broken fan belt*



5. EXHAUST SYSTEMS (continued)

ACTIVITY 20: EXHAUST AIRFLOW

NOTE: Prevent migration of indoor contaminants from areas such as bathrooms, kitchens, and labs by keeping them under negative pressure (as compared to surrounding spaces).

	Yes	No	N/A
5b. Checked (using chemical smoke) that air is drawn into the room from adjacent spaces	☐	☑	☐

Stand outside the room with the door slightly open while checking airflow high and low in the door opening (see "How to Measure Airflow").

5c. Ensured that air is flowing toward the exhaust intake	☐	☑	☐

ACTIVITY 21: EXHAUST DUCTWORK

5d. Checked that the exhaust ductwork downstream of the exhaust fan (which is under positive pressure) is sealed and in good condition	☑	☐	☐

6. QUANTITY OF OUTDOOR AIR

ACTIVITY 22: OUTDOOR AIR MEASUREMENTS AND CALCULATIONS

NOTE: Refer to "How to Measure Airflow" for techniques.

6a. Measured the quantity of outdoor air supplied (22a) to each ventilation unit	☐	☑	☐
6b. Calculated the number of occupants served (22b) by the ventilation unit under consideration	☐	☑	☐
6c. Divided outdoor air supply (22a) by the number of occupants (22b) to determine the existing quantity of outdoor air supply per person (22c)	☐	☑	☐

ACTIVITY 23: ACCEPTABLE LEVELS OF OUTDOOR AIR QUANTITIES

6d. Compared the existing outdoor air per person (22c) to the recommended levels in Table 1	☐	☑	☐
6e. Corrected problems with ventilation units that supplied inadequate quantities of outdoor air to ensure that outdoor air quantities (22c) meet the recommended levels in Table 1	☐	☑	☐

NOTES



Walkthrough Inspection Checklist

Name: _____

School: Wilson

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. GROUND LEVEL

		Yes	No	N/A
1a.	Ensured that ventilation units operate properly	☑	☐	☐
1b.	Ensured there are no obstructions blocking air intakes	☑	☐	☐
1c.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
1d.	Determined that dumpsters are located away from doors, windows, and outdoor air intakes	☑	☐	☐
1e.	Checked potential sources of air contaminants near the building (chimneys, stacks, industrial plants, exhaust from nearby buildings)	☑	☐	☐
1f.	Ensured that vehicles avoid idling near outdoor air intakes	☑	☐	☐
1g.	Minimized pesticide application	☑	☐	☐
1h.	Ensured that there is proper drainage away from the building (including roof downspouts)	☑	☐	☐
1i.	Ensured that sprinklers spray away from the building and outdoor air intakes	☑	☐	☐
1j.	Ensured that walk-off mats are used at exterior entrances and that they are cleaned regularly	☑	☐	☐

2. ROOF

While on the roof, consider inspecting the HVAC units (use the Ventilation Checklist*).*

2a.	Ensured that the roof is in good condition	☑	☐	☐
2b.	Checked for evidence of water ponding	☑	☐	☐
2c.	Checked that ventilation units operate properly (air flows in)	☑	☐	☐
2d.	Ensured that exhaust fans operate properly (air flows out)	☑	☐	☐
2e.	Ensured that air intakes remain open, even at minimum setting	☑	☐	☐
2f.	Checked for nests and droppings near outdoor air intakes	☑	☐	☐
2g.	Ensured that air from plumbing stacks and exhaust outlets flows away from outdoor air intakes	☑	☐	☐

3. ATTIC

3a.	Checked for evidence of roof and plumbing leaks	☑	☐	☐
3b.	Checked for birds and animal nests	☑	☐	☐

4. GENERAL CONSIDERATIONS

4a.	Ensured that temperature and humidity are maintained within acceptable ranges	☑	☐	☐
4b.	Ensured that no obstructions exist in supply and exhaust vents	☑	☐	☐
4c.	Checked for odors	☑	☐	☐
4d.	Checked for signs of mold and mildew growth	☑	☐	☐

4. GENERAL CONSIDERATIONS (continued)



	Yes	No	N/A
4e. Checked for signs of water damage	☑	☐	☐
4f. Checked for evidence of pests and obvious food sources	☑	☐	☐
4g. Noted and reviewed all concerns from school occupants	☑	☐	☐

5. BATHROOMS AND GENERAL PLUMBING

5a. Ensured that bathrooms and restrooms have operating exhaust fans	☑	☐	☐
5b. Ensured proper drain trap maintenance:			
Water is poured down floor drains once per week (approx. 1 quart of water)	☑	☐	☐
Water is poured into sinks at least once per week (about 2 cups of water)	☑	☐	☐
Toilets are flushed at least once per week	☑	☐	☐

6. MAINTENANCE SUPPLIES

6a. Ensured that chemicals are used only with adequate ventilation and when building is unoccupied	☑	☐	☐
6b. Ensured that vents in chemical and trash storage areas are operating properly	☑	☐	☐
6c. Ensured that portable fuel containers are properly closed	☑	☐	☐
6d. Ensured that power equipment, like snowblowers and lawn mowers, have been serviced and maintained according to manufacturers' guidelines	☑	☐	☐

7. COMBUSTION APPLIANCES

7a. Checked for combustion gas and fuel odors	☑	☐	☐
7b. Ensured that combustion appliances have flues or exhaust hoods	☑	☐	☐
7c. Checked for leaks, disconnections, and deterioration	☑	☐	☐
7d. Ensured there is no soot on inside or outside of flue components	☑	☐	☐

8. OTHER

8a. Checked for peeling and flaking paint (if the building was built before 1980, this could be a lead hazard)	☑	☐	☐
8b. Determined date of last radon test	☐	☐	☑

NOTES



Integrated Pest Management Checklist

Name: _____

School: Wilson

Room or Area: _____ Date Completed: _____

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. OFFICIAL POLICY STATEMENT

		Yes	No	N/A
1a.	Developed or located the school's official policy statement for integrated pest management (IPM)	☑	☐	☐

2. DESIGNATING PEST MANAGEMENT ROLES

2a.	Assigned and trained a qualified person to be the pest manager	☑	☐	☐
2b.	Involved decision makers in the IPM program	☑	☐	☐
2c.	Educated students and staff (the occupants of the building) about IPM and asked them to keep their areas clean and free of clutter	☑	☐	☐
2d.	Encouraged parents to learn about IPM practices and implement them at home	☐	☑	☐
2e.	Developed a program to educate and train all IPM participants	☐	☑	☐
2f.	Included language about IPM into contracts with pest management professionals	☐	☑	☐

3. SETTING PEST MANAGEMENT OBJECTIVES

3a.	Set appropriate pest management objectives for school buildings (such as preventing pests from interfering with students' learning environment and preserving the integrity of the building structure)	☑	☐	☐
3b.	Set appropriate pest management objectives for school grounds (such as providing safe playing areas and the best athletic surfaces possible)	☑	☐	☐

4. INSPECTING, IDENTIFYING, AND MONITORING

4a.	Inspected all buildings and grounds for pest evidence, entry points, food, water, and harborage sites	☑	☐	☐
4b.	Identified potential pest habitats in buildings and grounds	☑	☐	☐
4c.	Pinpointed the source of any current pest problems	☑	☐	☐
4d.	Monitored to determine the extent of pest problems and to estimate pest populations	☐	☑	☐
4e.	Developed plans to modify habitat (for example, exclusion, repair, and sanitation efforts) to prevent or resolve any pest problems	☑	☐	☐
4f.	Established a monitoring program that consists of routine inspections to estimate pest population levels and identify evidence of pests and potential habitat	☑	☐	☐

5. SETTING ACTION THRESHOLDS



	Yes	No	N/A
5a. Evaluated all available data obtained through inspecting, identifying, and monitoring	☐	☑	☐
5b. Determined how many pests the school buildings, grounds, and occupants can tolerate	☐	☑	☐
5c. Set action thresholds	☐	☑	☐

6. PREVENTIVE STRATEGIES

INDOOR SITES

6a. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Entryways	☑	☐	☐
• Classrooms	☑	☐	☐
• Gymnasiums	☑	☐	☐
• Locker rooms	☑	☐	☐
• Offices	☑	☐	☐
• Staff lounges	☑	☐	☐
• Bathrooms	☑	☐	☐
• Food preparation and serving areas	☑	☐	☐
• Rooms with extensive plumbing	☑	☐	☐
• Maintenance areas	☑	☐	☐
• Other	☑	☐	☐

OUTDOOR SITES

6b. Implemented appropriate strategies to prevent pests from inhabiting the following areas:

• Playgrounds	☐	☑	☐
• Parking lots	☐	☑	☐
• Lawns and athletic fields	☐	☑	☐
• Teaching gardens or greenhouses	☐	☑	☐
• Loading docks	☐	☑	☐
• Dumpsters	☑	☐	☐
• Areas with ornamental shrubs and trees	☐	☑	☐
• Other	☐	☑	☐

7. PESTICIDE USE AND STORAGE

7a. Explored alternative pest management methods before concluding that pesticides were necessary	☑	☐	☐
7b. Ensured that pest management professionals integrate IPM into their pest management methods	☑	☐	☐
7c. Identified the least toxic, target-specific chemical (or pesticide formulation) that is the most effective to address the pest problem, preferably as baitsand granules	☑	☐	☐
7d. Reviewed and followed all label instructions on pesticides and learned how to properly apply and handle these chemicals	☑	☐	☐
7e. Used spot-treatment (or bait, crack, and crevice applications) to apply pesticides whenever possible and only treated the obviously infested plants in the area	☑	☐	☐
7f. Used protective clothing or equipment when applying pesticides	☑	☐	☐
7g. Placed all pesticides in tamper-resistant bait boxes or locations that are inaccessible to children and non-target species	☑	☐	☐



7. PESTICIDE USE AND STORAGE (cont.)

	Yes	No	N/A
7h. Locked or fastened lids of all bait boxes and placed bait away from the runway of the box	☑	☐	☐
7i. Applied pesticides when occupants were not present or in areas where they would not be exposed to the chemicals	☐	☐	☑
7j. Ensured that school occupants (students and staff) are notified of upcoming pesticide applications through posted notices and/or letters	☐	☐	☑
7k. Ensured that parents are notified of upcoming pesticide applications through letters	☐	☐	☑
7l. Kept copies of current pesticide labels and information on pesticides easily accessible	☐	☐	☑
7m. Stored pesticides off site or in areas that are locked and accessible only to designated personnel	☐	☐	☑
7n. Ensured that storage areas are adequately ventilated and are located away from areas prone to flooding or where spills or leaks may contaminate the environment	☐	☐	☑
7o. Ensured that flammable liquids are stored away from ignition sources	☑	☐	☐
7p. Ensured that pesticides are stored in their original containers and all lids are securely fastened	☐	☐	☑
7q. Ensured that air in the storage space cannot mix with the air in the central ventilation system	☐	☐	☑

8. EVALUATING RESULTS AND RECORD KEEPING

8a. Ensured that accurate, up-to-date records of IPM practices and a pest management log for each property are kept	☑	☐	☐
8b. Ensured that pesticide records necessary to meet all state, local, and school board requirements are maintained	☑	☐	☐
8c. Ensured that each log book contains the following items:			
• Copy of the pest management plan	☐	☐	☐
• Service schedules for maintenance of buildings and grounds	☐	☐	☐
• Current EPA-registered labels	☐	☐	☐
• Current Material Safety Data Sheets (MSDS) for each pesticide project	☐	☐	☐
• Pest surveillance data sheets	☐	☐	☐
• Diagram noting the location of pest activity, traps, and bait stations	☐	☐	☐

NOTES



Food Service Checklist

Name: ADAM SHAGAN

School: Wilson

Room or Area: _____ Date Completed: 9/24/24

Signature: _____

Instructions

1. Read the *IAQ Backgrounder* and the Background Information for this checklist.
2. Keep the Background Information and make a copy of the checklist for future reference.
3. Complete the Checklist.
   - Check the "yes," "no," or "not applicable" box beside each item. (A "no" response requires further attention.)
   - Make comments in the "Notes" section as necessary.
4. Return the checklist portion of this document to the IAQ Coordinator.

1. COOKING AREA

		Yes	No	N/A
1a.	Determined that local exhaust fans operate properly (note if fans are excessively noisy)	☐	☐	☑
1b.	Checked for odors near cooking, preparation, and eating areas	☐	☐	☑
1c.	Ensured that exhaust fans are used whenever cooking, washing dishes, and cleaning	☐	☐	☑
1d.	Determined that gas appliances function properly	☐	☐	☑
1e.	Verified that gas appliances are vented outdoors	☐	☐	☑
1f.	Ensured there are no combustion gas or natural gas odors, leaks, back-drafting, or headaches when gas appliances are used	☐	☐	☑
1g.	Ensured that kitchen is clean after use	☑	☐	☐
1h.	Checked for signs of microbiological growth in the kitchen, including the upper walls and ceiling (for example, mold, slime, and algae)	☑	☐	☐
1i.	Selected biocides registered by EPA (if required), followed the manufacturer's directions for use, and carefully reviewed the method of application	☑	☐	☐
1j.	Verified the kitchen is free of plumbing and ceiling leaks (signs include stains, discoloration, and damp areas)	☑	☐	☐

2. FOOD HANDLING AND STORAGE

2a.	Checked food preparation, cooking, and storage areas for signs of insects and vermin (for example, feces or remains)	☑	☐	☐
2b.	Stored leftovers in well-sealed containers with no traces of food on outside surfaces	☑	☐	☐
2c.	Ensured that food preparation, cooking, and storage practices are sanitary	☑	☐	☐
2d.	Disposed of food scraps properly and removed crumbs	☑	☐	☐
2e.	Cleaned counters with soap and water or a disinfectant (according to school policy)	☑	☐	☐
2f.	Swept and wet mopped floors	☑	☐	☐

3. WASTE MANAGEMENT

3a.	Selected and placed waste in appropriate containers	☑	☐	☐
3b.	Ensured that containers' lids are securely closed	☑	☐	☐
3c.	Separated food waste and food-contaminated items from other wastes, if possible	☐	☑	☐
3d.	Stored waste containers in a well-ventilated area	☑	☐	☐
3e.	Ensured that dumpsters are properly located (away from air intake vents, operable windows, and food service doors in relation to prevailing winds)	☑	☐	☐

4. DELIVERIES

	Yes	No	N/A
4a. Instructed vendors to avoid idling their engines during deliveries	☑	☐	☐
4b. Posted a sign prohibiting vehicles from idling their engines in receiving areas	☑	☐	☐
4c. Ensured that doors or air barriers are closed between receiving area and kitchen	☑	☐	☐



NOTES

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 7, 2024

Kristie Reid
47 Eastern Ave., Apt. 27
Waterbury, CT 06706

Dear Ms. Reid:

Welcome to employment with the City of Waterbury. Your name is being certified to the Education Department for the position of School Secretary @ Wilby High School (Req. #20250116) at $20.76 per hour. Please contact Dr. Michelle Baker, Principal @ Wilby High School at (203) 574-8100 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 17, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist

NW/sd
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Dr. Michelle Baker, Princ @ Wilby High Schl
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 7, 2024

Taryn Lopez
92 Rosengarten Dr.
Waterbury, CT 06704

Dear Ms. Lopez:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Administrative Associate I @ Wilby High School (Req. #20250074) at $17.54 per hour. Please contact Dr. Michelle Baker, Principal @ Wilby High School at (203) 574-8100 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 10, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist

CLL/sd
cc Board of Education
Darren Schwartz, Interim Supt of Schools
Dr. Michelle Baker, Princ @ Wilby High Schl
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 9, 2024

Suleymar Dominquez Figueroa
136 Smith Rd., Apt. 1
Thomaston, CT 06787

Dear Ms. Dominquez Figueroa:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Administrative Associate I @ Generali Elementary School (Req. #20241070) at $17.54 per hour. Please contact Kristen Gaudiosi, Principal @ Generali Elementary School at (203) 574-8174 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 25, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist

CLL/sd
cc Board of Education
Darren Schwartz, Interim Supt of Schools
Kristen Gaudiosi, Princ @ Generali Elem Schl
file

236 Grand Street
Waterbury, CT 06702

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The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 9, 2024

Faith Lopez
47 Albion St., Apt. 2
Waterbury, CT 06705

Dear Ms. Lopez:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Paraprofessional I (Req. #20240620) at $18.87 per hour. Please contact Wendy Johns, Director of Pupil Services at (203) 574-8019 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 17, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist
NW/sd
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Wendy Johns, Director of Pupil Serv.
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 10, 2024

Clariza Rodriguez-Cheda
199 Woodland Ave.
Waterbury, CT 06705

Dear Ms. Rodriguez-Cheda:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Paraprofessional I (Req. #20240591) at $18.87 per hour. Please contact Wendy Johns, Director of Pupil Services at (203) 574-8019 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 25, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist
NW/sd
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Wendy Johns, Director of Pupil Serv.
file

236 Grand Street
Waterbury, CT 06702

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The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 10, 2024

Desirre Gonsalves
101 Stonefield Dr., Apt. 3
Waterbury, CT 06705

Dear Ms. Gonsalves:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Paraprofessional I (Req. #20240606) at $18.87 per hour. Please contact Wendy Johns, Director of Pupil Services at (203) 574-8019 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 17, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist
NW/sd
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Wendy Johns, Director of Pupil Serv.
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 10, 2024

Miriam Garcia
218 Southmayd Rd.
Waterbury, CT 06705

Dear Ms. Garcia:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Paraprofessional I (Req. #20240590) at $18.87 per hour. Please contact Wendy Johns, Director of Pupil Services at (203) 574-8019 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 25, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist
NW/sd
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Wendy Johns, Director of Pupil Serv.
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 15, 2024

Damian Saunders
101-15 Hitchcock Road
Waterbury, CT 06705

Dear Mr. Saunders:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Paraprofessional I (Req. #20240600) at $18.87 per hour. Please contact Wendy Johns, Director of Pupil Services at (203) 574-8019 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. **Your first day reporting to your new department/supervisor will be October 25, 2024 at your regular scheduled time.**

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist
NW/nw
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Wendy Johns, Director of Pupil Serv.
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 15, 2024

Denise Garafola
57 Longmeadow Drive
Wolcott, CT 06716

Dear Ms. Garafola:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Paraprofessional I (Req. #20240589) at $18.87 per hour. Please contact Wendy Johns, Director of Pupil Services at (203) 574-8019 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. **Your first day reporting to your new department/supervisor will be October 25, 2024 at your regular scheduled time.**

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist
NW/nw
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Wendy Johns, Director of Pupil Serv.
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 16, 2024

Eric Krompinger
26 N. Elm Street
Waterbury, CT 06702

Dear Mr. Krompinger:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Maintainer I (Req. #20250241) at $17.90 per hour. Please contact Mike Konopka, School Inspector at (203) 574-8000 ext. 11221 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, October 24, 2024 at 9:00 a.m. at the Department of Education Training Room, located in the Chase Municipal Building, 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. Your first day reporting to your new department/supervisor will be October 25, 2024 at your regular scheduled time.

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 9 months in duration. The department head will be responsible for executing your probationary evaluation no later than 9 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist

NW/nw
cc Board of Education
Darren Schwartz, Interim Supt. of Schools
Mike Konopka, School Inspector
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 15, 2024

Jonela Hoxha
26 Deer Run Lane Unit #24
Waterbury, CT 06705

Dear Ms. Hoxha:

Welcome to employment with the City of Waterbury. Your name is being certified to the Department of Education for the position of Administrative Associate I @ Waterbury Career Academy (Req. #20250114) at $17.54 per hour. Please contact Michael Harris, Principal, Waterbury Career Academy at (203) 574-6000 with any questions you may have in regards to this position.

We have scheduled your orientation for Thursday, November 7, 2024 at 9:00 a.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. You must attend this orientation session in order to work for the City. **Your first day reporting to your new department/supervisor will be October 31, 2024 at your regular scheduled time.**

At the orientation, we will provide you with a brief overview of the City, review its employment practices and complete all required paperwork. In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Again, welcome to the City of Waterbury.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist

CLL/sd
cc Board of Education
Darren Schwartz, Interim Supt of Schools
Michael Harris, Principal, WCA
file

236 Grand Street
Waterbury, CT 06702

(203) 574-6761

The City of Waterbury
Connecticut
Department of Human Resources
Office of the Civil Service Commission

October 18, 2024

Carlos Perez
42 Welton St.
Waterbury, CT 06702

Dear Mr. Perez:

Your name is being certified to the Department of Education for the position of Maintainer I (Req. #20250257) at $17.90 per hour.

Your official start date is October 24, 2024.

We have scheduled your orientation for Thursday, October 24, 2024 at 2:15 p.m. at the Department of Education Training Room located at 236 Grand Street, 2nd Floor, Room 275 in Waterbury. This portion of the orientation will be regarding the Pension and Benefits with the City of Waterbury. You must attend this orientation session in order to work for the City. Please be prepared to remain for approximately 2 hours.

In addition, if you are an employee eligible for benefits, it is useful to bring the social security numbers and birth dates of your spouse and children in order to complete the insurance enrollment forms.

Please call us prior to the orientation session if you should have any questions regarding the process.

Your new probationary period in accordance with your applicable contract will be 6 months in duration. The department head will be responsible for executing your probationary evaluation no later than 6 months from your first day in your new position.

Sincerely,

Nicholle West

Nicholle West
Human Resources Generalist

NW/sd

cc: Board of Education
Darren Schwartz, Interim Supt of Schools
Mike Konopka, School Inspector
file