Appendix D Environmental Audits Item 'ii' Asbestos and Regulated Waste Building Survey Report



ASBESTOS AND REGULATED WASTE BUILDING SURVEY REPORT

St. Paul Public School Facility 900 Albion Avenue St. Paul, MN 55116

March 7 - 8, 2016

Nova Client Number: STPAU006/Project Number: E16-0565

ASBESTOS AND REGULATED WASTE BUILDING SURVEY REPORT

St. Paul Public School Facility 900 Albion Avenue St. Paul, MN 55116

Nova Client Number: STPAU006 Project Number: E16-0565

March 7 - 8, 2016

Prepared For:

St. Paul Public Schools 1930 Como Avenue St. Paul, MN 55108

Prepared By:

Nova Consulting Group, Inc. 1107 Haseltine Boulevard #400 Chaska, MN 55318

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1.0 INTRODUCTION

The EPA's NESHAP (40 CFR Part 61) requires building owners to inspect for ACM areas of a building where demolition/renovation will take place.

Prior to renovation or demolition of a building, all regulated friable ACM must be removed from the affected area. In addition, non-friable materials that are in a damaged or significantly damaged condition or are likely to become friable during the process of demolition also require removal. Category I non-friable materials that are in good condition at the time of inspection and most likely will not become friable during demolition do not have to be removed prior to demolition. EPA and OSHA define any building material that contains greater than one percent asbestos to be asbestos-containing material.

The Minnesota Pollution Control Agency (MPCA) has identified a number of building materials and/or components, chemicals, and other miscellaneous hazardous materials as requiring special handling, removal and disposal or recycling prior to being impacted during renovation and/or building demolition. The potentially hazardous building materials inventory identifies components attached to the building structure, freestanding components, and stored materials and items.

According to the MPCA, the owner or person authorizing a renovation or demolition must ensure that the items removed are properly characterized, tested, managed, and disposed of and reused or recycled in accordance with applicable standards.

1.1 Project Description

The St. Paul Public School Facility located at 900 Albion Avenue in St. Paul, MN was inspected by US EPA certified asbestos building inspector Silas Thompson for asbestos-containing materials (ACM) and miscellaenous potentially hazardous materials. The purpose of this inspection was to identify hazardous or potentially hazardous materials or components that may require special handling prior to, during, or after demolition/renovation of the site. A total of 33 bulk samples were collected and analyzed for asbestos content. Asbestos bulk samples were analyzed by EMSL Analytical, Inc.'s NVLAP accredited laboratory. No additional testing was performed on the remaining miscellaneous hazardous materials.

2.0 RESULTS

2.1 Hazardous Material Inventory

The area-by-area inventory is presented in Section 5.0 as Table 1: Material Identification Inventory. The laboratory analytical results are presented in Section 5.0 as Table 2: Asbestos Sample Analysis.

2.1.1 Asbestos

Asbestos was found in the following materials:

Material ID Number	Material Identi- fication	Material Subcat Desc	Area	Sum Of Quantity	Unit	Condition Desc	Friability Desc
209	0-4 Aircell Pipe Insulation	Gray	Floor 02	6.00	LF	Non- Damaged	Friable
310	12x12 Floor Tile & Mastic	Gray W Black And White Streaks	Floor 01	18.00	SF	Non- Damaged	Non- friable
310	12x12 Floor Tile & Mastic	Gray W/ White And Brown Streaks	Floor 01	72.00	SF	Non- Damaged	Non- friable
311	9x9 Floor Tile & Mastic	Gray W/ Black And White Streaks	Floor 01	325.00	SF	Damaged	Non- friable
311	9x9 Floor Tile & Mastic	Gray W/ Black And White Streaks	Floor 01	180.00	SF	Non- Damaged	Non- friable
311	9x9 Floor Tile & Mastic	Gray W/ Black And White Streaks	Floor 02	30.00	SF	Non- Damaged	Non- friable

Material ID Number	Material Identi- fication	Material Subcat Desc	Area	Sum Of Quantity	Unit	Condition Desc	Friability Desc
311	9x9 Floor Tile & Mastic	Gray W/ Black And White Streaks	Floor 02	405.00	SF	Non- Damaged	Non- friable
311	9x9 Floor Tile & Mastic	Olive W/ White And Black Streaks	Floor 01	50.00	SF	Non- Damaged	Non- friable
311	9x9 Floor Tile & Mastic	Olive W/ White And Black Streaks	Floor 02	125.00	SF	Non- Damaged	Non- friable
330	Sink Undercoating	Black	Floor 01	2.00	EA	Non- Damaged	Non- friable
330	Sink Undercoating	Black	Floor 02	1.00	EA	Non- Damaged	Non- friable
404	Flashing	Gray	Exterior	320.00	SF	Non- Damaged	Non- friable

The following material types do not contain asbestos:

Material Identification Number	Material Identification	Material Subcategory Description
201	0-4 Fiberglass Pipe Insulation	Yellow Fibrous
202	4-8 Fiberglass Pipe Insulation	Yellow Fibrous
236	Vibration Joints	Brown Fabric
301	1x1 Ceiling Tile	Large Peghole
301	1x1 Ceiling Tile	Small Peghole
304	Ceiling Tile Adhesive	Brown
304	Ceiling Tile Adhesive	Tan
305	Sheetrock & Taping	Tan/Gray/White
	Compound	
306	Plaster	Gray
308	Base Cove & Mastic	Black W/Tan Mastic
309	Mastic - Carpet	Tan
310	12x12 Floor Tile & Mastic	Beige W/ Black And Brown Streaks

Material Identification Number	Material Identification	Material Subcategory Description
310	12x12 Floor Tile & Mastic	White W/ Brown Streaks
311	9x9 Floor Tile & Mastic	Light Gray W/ White Streaks
313	Sheet Floor & Mastic	Beige 12x12 Tile Pattern
315	Ceramic Tile and Grout	Red Ceramic Tile
316	Concrete	Floor
316	Concrete	Floor & Ceiling
316	Concrete	Steps & Ceiling
318	Fire Door	Wood Core Fire Door
320	Mortar	Gray Exterior Brick Mortar
321	Caulk	Brown Window Caulk
321	Caulk	Brown Window Caulk
321	Caulk	Bright White Window Glazing
		Compund
321	Caulk	White Lower Window
		Glazing
321	Caulk	White Upper Window Glazing
335	Adhesive	Tackboard - Brown
335	Adhesive	Tackboard - Tan
399	Carpet	Brown
399	Carpet	Gray
404	Flashing	Black
405	Felt Material	Vapor Barrier (Beneath Wood
		Floor)
408	Flat Roof	Black/Brown Roof Core
700	Mercury	Fluorescent Tube Light

2.1.2 Mercury

Items that may contain mercury include, but are not limited to, batteries found in smoke detectors, emergency lighting systems, elevator control panels, exit signs, security systems and alarms; lighting including fluorescent lights, high intensity discharge lights, metal halide lights, high pressure sodium lights, mercury vapor lights, and neon lights; switches; thermostats, pressure stats; fire stats; manometers; thermometers; electrical system load meters, supply relays, phase splitters, microwave relays; boiler, furnace, heater, and tank mercury flame sensors (associated with pilot lights), and space heater controls.

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
700	Mercury	Analog Thermostat	3.00	EA
700	Mercury	Compact Fluorescent Bulb	18.00	EA
700	Mercury	Emergency Flood Light Unit	26.00	EA
700	Mercury	Illuminated Exit Sign	8.00	EA
700	Mercury	Fluorescent Tube Light	356.00	EA
700	Mercury	Exterior Flood Light Unit	7.00	EA
700	Mercury	Mercury Time Switch	1.00	EA

The following items were identified that may contain mercury:

2.1.3 Polychlorinated Biphenyls (PCBs)

Items that may contain PCBs include, but are not limited to, transformers, transistors, capacitors on old appliances, electronic equipment, heat transfer equipment, and light ballasts.

The following items were identified that may contain PCBs. Light ballasts are considered PCB containing unless the ballast is marked "No PCBs."

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
705	Poly-Chlorinated Biphenyls (PCBs)	Light Ballast	63.00	EA

2.1.4 Lead Containing Items

Lead containing items include, but are not limited to, lead-acid batteries, lead pipes, lead sheeting, lead flashing, and lead paint.

The following items were identified that may contain lead:

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
710	Lead	Smoke Detector	17.00	EA

2.1.5 Chloro Fluoro Carbons (CFCs)

Items that may contain CFCs include, but are not limited to, fire extinguishers, halon fire suppression systems, air conditioners, walk in coolers, or cold storage areas, water fountains, dehumidifiers, refrigerators, freezers, chillers, heat pumps, vending machines, and food display cases.

The following items were identified that may contain CFCs:

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
715	ChloroFlouroCarbons (CFCs)	Fire Extinguisher	8.00	EA

2.1.6 Appliances

The following appliances were identified:

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
720	Appliances	Air Handler Unit - Large	1.00	EA
720	Appliances	Modern Boiler Units	3.00	EA
720	Appliances	Powered Fan Unit	1.00	EA
720	Appliances	Water Heater	1.00	EA

725

725

725

The following items were identified that may contain circuit boards:						
Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit		
725	Electronic Items Containing Circuit Boards	Circuit Control Panel	20.00	EA		
725	Electronic Items Containing Circuit Boards	Computer Unit	1.00	EA		
725	Electronic Items Containing Circuit Boards	Digital Thermostat Unit	11.00	EA		
725	Electronic Items Containing Circuit Boards	Computer Monitor	1.00	EA		
725	Electronic Items	Motion Detector	3.00	EA		

2.1.8 Electronic Items Containing Cathode Ray Tubes (CRT)

Containing Circuit

Containing Circuit

Containing Circuit

Containing Circuit

Electronic Items

Electronic Items

Electronic Items

Boards

Boards

Boards

Boards

The following items were identified that may contain Cathode Ray Tubes (CRTs):

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit	
730	Electronic Items Containing Cathode Ray Tubes	Computer Monitor	1.00	EA	

Unit

Hub Unit

Panel

Computer Server

Wifi Router Hub

Telecommunications

3.00

1.00

2.00

EA

EA

EA

2.1.9 Oils

The following items were identified that may contain oils:

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
735	Oils	Door Closer	15.00	EA

2.1.10 Sumps

Materials trapped in sumps and traps unless non hazardous and non liquid:

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
740	Sumps	Sump Pump	2.00	EA

2.1.11 Radioactive Waste

The following items were identified that may contain radioactive waste:

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
None				

2.1.12 Mixed Municipal Solid Waste

Items that would normally be disposed of as mixed municipal solid waste include, but are not limited to, furniture, carpeting, bedding, mattresses, clothing, small appliances, food, and food waste.

The following items are considered mixed municipal solid waste:

Material	Material	Material	Sum Of Quantity	Unit
Identification	Identification	Subcategory		
Number		Description		
None				

2.1.13 Household Hazardous Waste

Household hazardous wastes include, but are not limited to, automotive fluids, lawn and garden chemicals, pest control products, household cleaners, and paint.

The following household hazardous waste items were identified:

Material Identification Number	Material Identification	Material Subcategory Description	Sum Of Quantity	Unit
755	Household Hazardous Waste	Superguard Sealer 5 Gallon	1.00	EA

2.1.14 Industrial Solid Waste or Hazardous Waste

The following items were identified that may contain industrial waste or hazardous waste:

Material Identification	Material Identification	Material Subcategory	Sum Of Quantity	Unit
Number	Identification	Description		
None				

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

- Potential mercury containing items include fluorescent tube lights, compact fluorescent bulbs, analog thermostats, emergency flood light units, exterior flood light units, mercury time switches, and illuminated exit signs.
- Potential PCB containing items include lighting ballasts. Ballasts are considered PCB containing unless they are labeled "No PCBs."
- Potential lead containing items were observed and include smoke detectors.
- Potential CFC containing items were observed and include fire extinguishers.
- Major appliances were observed and include large air handler unit, boiler units, fan units, and water heater units.
- Electronic items containing circuit boards were observed and include computers, computer monitor, computer server hub units, Wi-Fi router hub units, digital thermostats, and motion detector units.
- Electronic items containing cathode ray tubes were observed and include CRT computer monitor.
- Items containing oils were observed and include door closers.
- Two sumps were observed.
- No radioactive waste was observed.
- No mixed municipal waste items were observed.
- Household hazardous waste items were observed and include 5 Gallons "SuperGuard Sealer."
- No industrial hazardous waste items were observed.

3.2 Recommendations

- If, during the course of the demolition/renovation activity, additional suspect asbestos containing materials are uncovered, proper procedures must be implemented to prevent damage to these materials until asbestos content has been verified. All regulated asbestos containing materials (RACM) must be removed prior to being impacted by any renovation and/or demolition activity.
- If, during the course of the demolition/renovation activity, additional potentially hazardous materials are uncovered, proper procedures must be implemented to characterize, manage, test, and dispose or recycle these materials. All potentially hazardous materials impacted by the renovation/demolition activities must be properly disposed or recycled.

4.0 STANDARD OF CARE

This report summarizes the results of the thorough inspection completed by Nova. This survey and review of the subject property has been limited in scope. This investigation is undertaken with the knowledge that visual observations and random sampling methods alone would not reveal the presence, full nature, and extent of asbestos-containing and miscellaneous hazardous materials. Nova makes no representations as to the asbestos content of materials not sampled or that were not accessible to our inspector(s) (i.e., between walls, beneath floors, in sealed pipe chases, etc.). The asbestos sample locations and building dimensions were measured/located in the field by tape measure from existing features. Therefore, the sample locations, building dimensions and approximate square footages of asbestos containing-materials (ACM) should be considered accurate only to the degree implied by the methods used.

This asbestos survey is not intended to be the sole basis for asbestos removal bids. Confirmation of the presence, condition, and quantity of the ACM's should be conducted by prospective removal contractors prior to accepting removal bids. This report is provided for the exclusive use of the client noted on the cover page and is subject to the terms and conditions in the applicable contract between the Client and Nova. The Client is the only party to whom Nova has explained the limitations of this survey and has been involved in the shaping of the scope of services. Any third party review of this report, including the use by the Client's lender, prospective purchaser, or lessee will be subject to the terms and conditions governing contractual work between the Client and Nova. The unauthorized use of, reliance on, or release of information contained in this report, without the expressed written consent of Nova is strictly prohibited and will be without risk or liability.

The services performed by Nova Consulting Group, Inc. (Nova) on this project have been conducted with that level of care of skill ordinarily exercised by reputable members of the profession, practicing in the same locality under similar budget and time constraints. No other warranty is expressed or implied.

Prepared By:

NOVA CONSULTING GROUP, INC.

Silas Thompson Environmental Specialist

ST/CEE:law

hal Cale

Chuck Easley Project Manager

5.0 TABLE 1, TABLE 2, DRAWINGS

TABLE 1

MATERIAL IDENTIFICATION INVENTORY

Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	acility	
Area: Ba	sement					
Location Room Number		 Material Identification Subcategory Description 	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Damage Potential Cond. AHERA Fri Cond Water Air Vib Acc Rating Cat.
Bathroom B1	316 CONC	Concrete Floor & Ceiling	М	NS	100 SF	0
Bathroom B1	710 SMKE	Lead Smoke Detector	Н	NT	1 EA	NA
Crawl Space TA4	201 FIBE	0-4 Fiberglass Pipe Insulation Yellow Fibrous	Т	NS	140 LF	0
Crawl Space TA4	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	1 EA	NA
Crawl Space TA4	710 SMKE	Lead Smoke Detector	Н	NT	1 EA	NA
Crawl Space TA4	725 CIRC	Electronic Items Containing Circuit Be Circuit Control Panel	oards H	NT	1 EA	NA
Crawl Space TA4	755 CHEM	Household Hazardous Waste Superguard Sealer 5 Gallon	Н	NT	1 EA	
Crawl Space TA5	201 FIBE	0-4 Fiberglass Pipe Insulation Yellow Fibrous	Т	NS	60 LF	0

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	ic School F venue	acility				
-		Survey	March 7, 201	6 - March 8	, 2016				
Area: Ba	sement								
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc		HERA Cat.
Crawl Space TA5	202 FIBE	4-8 Fiberglass Pipe Insulation Yellow Fibrous	Т	NS	120 LF			0	NA
Air cell line and mudd	ed fittings listed in prev	vious survey. No aircell pipe insula	tion or mudded fit	tings observed	1.				
Crawl Space TA5	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	1 EA				NA
Crawl Space TA5	710 SMKE	Lead Smoke Detector	Н	NT	1 EA				NA
Room B2	201 FIBE	0-4 Fiberglass Pipe Insulation Yellow Fibrous	Т	NS	250 LF			0	
Room B2	202 FIBE	4-8 Fiberglass Pipe Insulation Yellow Fibrous	Т	NS	150 LF			0	
Room B2	316 CONC	Concrete Floor & Ceiling	М	NS	1200 SF			0	
Room B2	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	100 EA				NA
Room B2	720 BOIL	Appliances Modern Boiler Units	Н	NT	3 EA				NA

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Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Pu 900 Albior St. Paul, N		ol Facility		
Area: Ba	sement						
Location Room Number		Material Identification Subcategory Description	Ma Co	t'l Asbesto de Content		Phys. Assess. Damage Potential Fri Cond Water Air Vib Acc	
Room B2	720 WTRHT	Appliances Water Heater	Н	NT	1 EA		NA
Room B2	725 CIRC	Electronic Items Containing Circuit B Circuit Control Panel	oards H	NT	11 EA		NA
Room B2	725 CPU	Electronic Items Containing Circuit B Computer Unit	oards H	NT	1 EA		NA
Room B2	725 LCD	Electronic Items Containing Circuit B Computer Monitor	oards H	NT	1 EA		NA
Room B2	725 SERV	Electronic Items Containing Circuit B Computer Server Hub Unit	oards H	NT	1 EA		NA
Room B2	740 SUMP	Sumps Sump Pump	Н	NT	2 EA		
Room B2	770 WTR	Tanks Water Pressure	H	NT	3 EA		
Room B3	316 CONC	Concrete Floor & Ceiling	M	I NS	800 SF		0

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	-		
Area: Ba	sement	Guivey	inaron 7, 201		, 2010		
Location Room Number		 Material Identification Subcategory Description 	Mat'l Code	Asbestos Content	Qty Unit	<i>. . . .</i>	I. AHERA g Cat.
Room B4	316 CONC	Concrete Floor & Ceiling	М	NS	300 SF	0	
Room B5	0 0			NT	0		
Flange Gasket on wate	er main listed in previo	ous report is not present.					
Room B5	201 FIBE	0-4 Fiberglass Pipe Insulation Yellow Fibrous	Т	NS	200 LF	0	
Room B5	236 VIB	Vibration Joints Brown Fabric	М	ND	2 EA		NA
Sampled in previous s	urvey: 2001-1501-RS-1	l					
Room B5	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	1 EA		NA
Room B5	720 AIRHND	Appliances Air Handler Unit - Large	Н	NT	1 EA		NA
Room B5	725 CIRC	Electronic Items Containing Circuit B Circuit Control Panel	oards H	NT	4 EA		NA
Room B6	202 FIBE	4-8 Fiberglass Pipe Insulation Yellow Fibrous	Т	NS	100 LF	0	
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Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	·		
Area: Ba	sement						
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess. Damage Potential Fri Cond Water Air Vib Ac	
Room B6	316 CONC	Concrete Floor & Ceiling	М	NS	800 SF		0
Room B6	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	40 SF		NA
Room B6	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	5 EA		NA
Room B6	710 SMKE	Lead Smoke Detector	Н	NT	1 EA		NA
Stairwell SB1	201 FIBE	0-4 Fiberglass Pipe Insulation Yellow Fibrous	Т	NT	30 LF		
Stairwell SB1	316 CONC	Concrete Steps & Ceiling	М	NS	150 SF		0
Stairwell SB1	318 WOOD	Fire Door Wood Core Fire Door	М	NS	1 EA		0 NA
Stairwell SB1	700 CFL	Mercury Compact Fluorescent Bulb	Н	NT	1 EA		NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN	lic School F venue	acility		
		Survey	March 7, 201	6 - March 8	, 2016		
Area: Ba	asement						
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess Fri Cond	
Stairwell SB1	700 EXIT	Mercury Illuminated Exit Sign	Н	NT	1 EA		NA
Stairwell SB1	715 FIREX	ChloroFlouroCarbons (CFCs) Fire Extinguisher	Н	NT	1 EA		NA
Stairwell SB1	735 CLSR	Oils Door Closer	Н	NT	1 EA		NA

Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN March 7, 201	lic School I venue 55116	Facility				
Area: Ext	erior	,	,		,				
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess Fri Cond	. Damage Pote Water Air Vik		
Air Handler Penthouse	316 CONC	Concrete Floor & Ceiling	Μ	NS	300 SF			0	
Air Handler Penthouse	725 CIRC	Electronic Items Containing Circuit B Circuit Control Panel	oards H	NT	1 EA				NA
Perimeter	320 EBM	Mortar Gray Exterior Brick Mortar	Μ	ND	2000 SF			0	NA
Perimeter	321 BWC	Caulk Brown Window Caulk	Μ	ND	40 SF				
Sampled in previous su	rvey: 102210-MV-22								
Perimeter	321 BWWG	Caulk Bright White Window Glazing Compo	M	ND	1 SF				
Room 204 windows only	y. Sampled in previou	s survey: 102210-MV-19							
Perimeter	321 WLWG	Caulk White Lower Window Glazing	М	ND	20 SF				
Sampled in previous su	rvey: 102210-MV-21								
Perimeter	321 WUWG	Caulk White Upper Window Glazing	М	ND	50 SF				
Sampled in previous su	rvey: 102210-MV-20								
Perimeter	700 FLOOD	Mercury Exterior Flood Light Unit	Н	NT	7 EA				NA

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Client Number: STI	6-0565 PAU006 601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	Facility								
Area: Exterio	or												
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit		Assess. Cond		age P Air			Cond. Rating	AHERA Cat.
Roof - Air Handler	321 BWC	Caulk Brown Window Caulk	М	ND	10 LF								
Sampled in previous survey:	: 102210-MV-22												
Roof - Air Handler	404 GRF	Flashing Gray	М	YES	20 SF	Ν	Ν	L	L	L	L	1	NA
Roof - Air Handler Penthouse Level	408	Flat Roof	М	ND	150 SF							0	NA
	BRTM	Black/Brown Roof Core											
Roof - Air Handler Penthouse Level	404	Flashing	М	ND	100 SF							0	NA
	BRF	Black											
Roof - Main Level	404 BRF	Flashing Black	М	ND	1100 SF							0	NA
Roof - Main Level	404 GRF	Flashing Gray	М	YES	300 SF	Ν	Ν	L	L	L	L	1	NA
Roof - Main Level	408 BRTM	Flat Roof Black/Brown Roof Core	М	ND	2400 SF							0	NA
Roof - Room 301 Level	404 BRF	Flashing Black	М	ND	60 SF							0	NA
Roof - Room 301 Level	408 BRTM	Flat Roof Black/Brown Roof Core	М	ND	120 SF							0	NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	-				
Area: Flo	oor 01	Survey			, 2010				
Location Room Number	Material Id#	Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc		AHERA Cat.
Bathroom Hall TA3	306 PLA	Plaster Gray	М	ND	100 SF				
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15							
Bathroom Hall TA3	308 BLBC	Base Cove & Mastic Black W/Tan Mastic	М	ND	15 LF			0	NA
Closet 107	306 PLA	Plaster Gray	М	ND	350 SF				
Sampled in previous s	urvey: 102210-MV-9,10	0,11,12,13,15							
Closet 107	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	30 SF				
Sampled in previous s	urvey: 102210-MV-23								
Closet 108	306 PLA	Plaster Gray	М	ND	300 SF				
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15							
Closet 108	316 CONC	Concrete Floor & Ceiling	М	NS	75 SF			0	
Closet 108	710 SMKE	Lead Smoke Detector	Н	NT	1 EA				NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	-								
Area: Flo	oor 01				,								
Location Room Number		Material Identification	Mat'l Code		Qty Unit		Assess. Cond			Potenti Vib A			AHERA Cat.
Closet 108	735 CLSR	Oils Door Closer	Н	NT	1 EA								NA
Hallway H11	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	550 SF								
Sampled in previous s	urvey: 2001-1501-RSQ	C-5											
Hallway H11	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	120 SF							0	NA
Hallway H11	306 PLA	Plaster Gray	М	ND	1300 SF								
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15											
Hallway H11	311 GBFT	9x9 Floor Tile & Mastic Gray W/ Black And White Streaks	М	YES	325 SF	Ν	D	L	L	L	L	1	NA
7-10% Chrysotile (Tile	e Only). Sampled in pr	evious survey: 102210-MV-01 and 2	001-1501-RS-4										
Hallway H11	311 LGFT	9x9 Floor Tile & Mastic Light Gray W/ White Streaks	М	ND	30 SF								
Sampled in previous s	urvey: 102210-MV-03												
Hallway H11	311 OFT	9x9 Floor Tile & Mastic Olive W/ White And Black Streaks	М	YES	50 SF	Ν	Ν	L	L	L	L	1	NA
2% Chrysotile (Tile) 8	% Chrysotile (Mastic)	Sampled in previous survey: 10221	D-MV-04										
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Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	-			
Area: Flo	oor 01							
Location Room Number		 Material Identification V Subcategory Description 	Mat'l Code		Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc	Cond. AHERA Rating Cat.
Hallway H11	700 ATHRM	Mercury Analog Thermostat	Н	NT	1 EA			
Hallway H11	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	1 EA			NA
Hallway H11	700 EXIT	Mercury Illuminated Exit Sign	Н	NT	2 EA			NA
Hallway H11	715 FIREX	ChloroFlouroCarbons (CFCs) Fire Extinguisher	Н	NT	2 EA			NA
Hallway H11	725 CIRC	Electronic Items Containing Circuit Bo Circuit Control Panel	oards H	NT	1 EA			
Hallway H11	725 MOTD	Electronic Items Containing Circuit Bo Motion Detector Unit	oards H	NT	1 EA			NA
Hallway H11	725 WIFI	Electronic Items Containing Circuit Bo Wi-Fi Router Hub	oards H	NT	1 EA			NA
Hallway H11	735 CLSR	Oils Door Closer	Н	NT	4 EA			NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	-								
Area: Flo	oor 01												
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. A Fri		Dama Water A		otential /ib Ac			HERA Cat.
Hallway/Room H12	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	300 SF								
Sampled in previous s	urvey: 2001-1501-RSQ	C-5											
Hallway/Room H12	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	75 SF						()	NA
Hallway/Room H12	306 PLA	Plaster Gray	М	ND	900 SF								
Sampled in previous su	urvey: 102210-MV-9,10	0,11,12,13,15											
Hallway/Room H12	309 TCM	Mastic - Carpet Tan	М	ND	300 SF						()	NA
Hallway/Room H12	311 GBFT	9x9 Floor Tile & Mastic Gray W/ Black And White Streaks	М	YES	180 SF	Ν	Ν	L	L	L	L	1	NA
7-10% Chrysotile (Tile	e Only). Sampled in pro	evious survey: 102210-MV-01 and 2	001-1501-RS-4										
Hallway/Room H12	399 CRP	Carpet Brown	Н	NS	180 SF						()	NA
Hallway/Room H12	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	1 EA								

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Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Pau 900 Alb St. Pau	l Publ bion A I, MN		-				
Area: Flo	oor 01									
Location Room Number		Material Identification Subcategory Description		Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Fri Cond V	Damage Potential Vater Air Vib Acc	Cond. Al Rating	HERA Cat.
Hallway/Room H12	725 MOTD	Electronic Items Containing Circuit E Motion Detector Unit	Boards	Н	NT	1 EA				NA
Main Entrance SE1 Above Ceiling	0 0				NT	0				
Main Entrance SE1	301 SPCT	to be present. Material is not present 1x1 Ceiling Tile Small Peghole		М	ND	100 SF				
Sampled in previous s	urvey: 2001-1501-RSQ	PC-5								
Main Entrance SE1	306 PLA	Plaster Gray		М	ND	500 SF				
Sampled in previous su	urvey: 102210-MV-9,1	0,11,12,13,15								
Main Entrance SE1	315 RCT	Ceramic Tile and Grout Red Ceramic Tile		М	ND	200 SF			0	NA
Listed as "Red Quarry	y Tile System" in previ	ious surveys.								
Main Entrance SE1	700 CFL	Mercury Compact Fluorescent Bulb		Н	NT	2 EA				NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	2	
Area: Flo	oor 01					
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Damage Potential Cond. AHERA Fri Cond Water Air Vib Acc Rating Cat.
Main Entrance SE1	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	16 EA	NA
15 of 16 were already	removed and in a trash	bin.				
Main Entrance SE1	700 EXIT	Mercury Illuminated Exit Sign	Н	NT	1 EA	NA
Main Entrance SE1	735 CLSR	Oils Door Closer	Н	NT	3 EA	NA
Men's Room 103	306 PLA	Plaster Gray	М	ND	400 SF	
Sampled in previous s	urvey: 102210-MV-9,10	0,11,12,13,15				
Men's Room 103	308 BLBC	Base Cove & Mastic Black W/Tan Mastic	М	ND	20 LF	0 NA
Men's Room 103	700 CFL	Mercury Compact Fluorescent Bulb	Н	NT	1 EA	
Men's Room 103	710 SMKE	Lead Smoke Detector	Н	NT	1 EA	

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	IPAU006 Building Name: St. Paul Public School Facility			acility			
j i		Survey	March 7, 201		, 2016			
Area: Flo	oor 01							
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc	
North Entry E1	306 PLA	Plaster Gray	Μ	ND	250 SF			
Sampled in previous su	ırvey: 102210-MV-9,1),11,12,13,15						
North Entry E1	310 GBWT	12x12 Floor Tile & Mastic Gray W Black And White Streaks	М	YES	18 SF			
2% Chrysotile (Tile) 8	% Chrysotile (Mastic)	Sampled in previous survey: 10221	0-MV-08					
North Entry E1	735 CLSR	Oils Door Closer	Н	NT	2 EA			NA
Pipe Chase M1	700 SWTCH	Mercury Mercury Time Switch	Н	NT	1 EA			
Room 101	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	275 SF			
Sampled in previous su	irvey: 2001-1501-RSQ	C-5						
Room 101	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	275 SF			0 NA
Room 101	306 PLA	Plaster Gray	М	ND	900 SF			
Sampled in previous su	urvey: 102210-MV-9,10),11,12,13,15						

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Client Number: STP	0565 AU006 601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	Facility				
Area: Floor 0	1								
Location Room Number		# Material Identification y Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess Fri Cond	. Damage Potential Water Air Vib Acc		
Room 101	308 BLBC	Base Cove & Mastic Black W/Tan Mastic	М	ND	25 LF			0	NA
Room 101	313 BTSF	Sheet Floor & Mastic Beige 12x12 Tile Pattern	М	ND	50 SF				
Sampled in previous survey:	102210-MV-17								
Room 101	335 BRBA	Adhesive Tackboard - Brown	М	ND	10 SF			0	NA
Room 101	335 TBA	Adhesive Tackboard - Tan	М	ND	130 SF			0	NA
Previous surveys presumed cl	halkboard adhe	esive was present. No chalkboard ad	hesive was identif	ied.					
Room 101	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor	M)	ND	600 SF				
Sampled in previous survey: 102210-MV-23									
Room 101	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	32 EA				
Room 101	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	8 EA				

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Public Schools St. Paul Public School Facility 900 Albion Avenue St. Paul, MN 55116						
		Survey	March 7, 201		, 2016				
Area: Fl	oor 01								
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess Fri Cond	. Damage Pote Water Air Vib		. AHERA g Cat.
Room 101	715 FIREX	ChloroFlouroCarbons (CFCs) Fire Extinguisher	Н	NT	1 EA				
Room 101	725 ETHRM	Electronic Items Containing Circuit B Digital Thermostat Unit	oards H	NT	1 EA				
Room 102	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	275 SF				
Sampled in previous s	urvey: 2001-1501-RSQ	C-5							
Room 102	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	275 SF			0	NA
Located on walls only									
Room 102	306 PLA	Plaster Gray	Μ	ND	660 SF				
Sampled in previous s	urvey: 102210-MV-9,10	0,11,12,13,15							
Room 102	309 TCM	Mastic - Carpet Tan	М	ND	660 SF			0	NA
Room 102	335 TBA	Adhesive Tackboard - Tan	М	ND	60 SF			0	NA

Previous surveys presumed chalkboard adhesive was present. No chalkboard adhesive was identified.

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	ic School F venue	acility			
Bunang Number.			March 7, 201		, 2016			
Area: Flo	oor 01							
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc	
Room 102	399 CRPT	Carpet Gray	Н	NS	660 SF			0 NA
Room 102	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	660 SF			NA
Sampled in previous su	urvey: 102210-MV-23							
Room 102	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	32 EA			NA
Room 102	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	8 EA			NA
Room 102	725 ETHRM	Electronic Items Containing Circuit Be Digital Thermostat Unit	oards H	NT	1 EA			
Room 104A	306 PLA	Plaster Gray	М	ND	400 SF			
Sampled in previous survey: 102210-MV-9,10,11,12,13,15								
Room 104A	310 BBBT	12x12 Floor Tile & Mastic Beige W/ Black And Brown Streaks	М	ND	16 SF			
Sampled in previous su	urvey: 102210-MV-07							

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Public Schools St. Paul Public School Facility 900 Albion Avenue St. Paul, MN 55116 March 7, 2016 - March 8, 2016			-								
Area: Flo	oor 01													
Location Room Number		Material Identification Subcategory Description		Mat'l Code	Asbestos Content	Qty Unit		Assess. Cond		•			Cond. Rating	AHERA Cat.
Room 104A	310 GWBT	12x12 Floor Tile & Mastic Gray W/ White And Brown Streaks		М	YES	72 SF	Ν	Ν	L	L	L	L	1	NA
3% Chrysotile (Tile) 8	% Chrysotile (Mastic)	Sampled in previous survey: 102210	-MV-06											
Room 104A	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	1	Н	ND	10 SF								NA
Sampled in previous s	urvey: 102210-MV-23													
Room 104A	700 FLBLB	Mercury Fluorescent Tube Light		Н	NT	2 EA								NA
Room 104A	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast		Н	NT	1 EA								NA
Room 104A	710 SMKE	Lead Smoke Detector		Н	NT	1 EA								NA
Room 104A	720 FAN	Appliances Powered Fan Unit		Н	NT	1 EA								
Room 104A	725 ETHRM	Electronic Items Containing Circuit E Digital Thermostat Unit	Boards	Н	NT	1 EA								NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	acility			
Area: Flo	oor 01	Guivey	March 7, 201		, 2010			
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc	
Room 105	306 PLA	Plaster Gray	М	ND	450 SF			
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15						
Room 105	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	100 SF			NA
Sampled in previous s	urvey: 102210-MV-23							
Room 105	710 SMKE	Lead Smoke Detector	Н	NT	1 EA			NA
Room 105	725 CIRC	Electronic Items Containing Circuit Bo Circuit Control Panel	oards H	NT	1 EA			NA
Room 106	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	285 SF			
Sampled in previous s	urvey: 2001-1501-RSQ	C-5						
Room 106	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	70 SF			0 NA
Room 106	306 PLA	Plaster Gray	М	ND	1100 SF			
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15						

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Project Number: Client Number: Login Number: Building Number.	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	-								
Area: FI	oor 01												
Location Room Number		# Material Identification y Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit		Assess. Cond	Dam Water					AHERA Cat.
Room 106	308 BLBC	Base Cove & Mastic Black W/Tan Mastic	М	ND	25 LF							0	NA
Room 106	330 BSU	Sink Undercoating Black	М	YES	2 EA	Ν	Ν	L	L	L	L	1	NA
3% Chrysotile. Samp	led in previous survey:	102210-MV-16											
Room 106	335 TBA	Adhesive Tackboard - Tan	М	ND	20 SF							0	NA
Previous surveys pres	sumed chalkboard adhe	esive was present. No chalkboard adh	nesive was identif	ied.									
Room 106	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	770 SF								
Sampled in previous s	survey: 102210-MV-23												
Room 106	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	1 EA								NA
Room 106	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	32 EA								NA
Room 106	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	8 EA								NA

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Client Number: S	E16-0565 STPAU006 S51601318	Building Address:	St. Paul Pul St. Paul Pul 900 Albion A St. Paul, MN March 7, 20	olic School F Avenue I 55116	Facility	
Area: Floo						
Location Room Number		Material Identification Subcategory Description	Mat' Code		Qty Unit	Phys. Assess. Damage Potential Cond. AHERA Fri Cond Water Air Vib Acc Rating Cat.
Room 106	725 ETHRM	Electronic Items Containing Circuit B Digital Thermostat Unit	oards H	NT	1 EA	NA
Room 109	306 PLA	Plaster Gray	М	ND	480 SF	
Sampled in previous surv	ey: 102210-MV-9,10),11,12,13,15				
Room 109	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	100 SF	
Sampled in previous surv	ey: 102210-MV-23					
Room 109	700 CFL	Mercury Compact Fluorescent Bulb	Н	NT	1 EA	NA
Room 109	715 FIREX	ChloroFlouroCarbons (CFCs) Fire Extinguisher	Н	NT	1 EA	NA
Room 109	725 ETHRM	Electronic Items Containing Circuit B Digital Thermostat Unit	oards H	NT	1 EA	NA
Room 109	735 CLSR	Oils Door Closer	Н	NT	1 EA	NA

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Client Number: SI	16-0565 ГРАU006 1601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	2				
Area: Floor	01	Currey			, 2010				
Location Room Number	Material Id#	Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess Fri Cond	Damage Potential Water Air Vib Acc		
Room (Old Gymnasium) 104	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	945 SF				
Sampled in previous surve	y: 2001-1501-RSQ	C-5							
Room (Old Gymnasium) 104	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	230 SF			0	NA
Room (Old Gymnasium) 104	306 PLA	Plaster Gray	М	ND	1100 SF				
Sampled in previous surve	y: 102210-MV-9,10	0,11,12,13,15							
Room (Old Gymnasium) 104	335 TBA	Adhesive Tackboard - Tan	М	ND	10 SF			0	NA
Previous surveys presumed	l chalkboard adhe	sive was present. No chalkboard ad	hesive was identif	ied.					
Room (Old Gymnasium) 104	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor	H •)	ND	770 SF				NA
Sampled in previous surve	y: 102210-MV-23								
Room (Old Gymnasium) 104	700 CFL	Mercury Compact Fluorescent Bulb	Н	NT	6 EA				NA
Room (Old Gymnasium) 104	710 SMKE	Lead Smoke Detector	Н	NT	1 EA				NA
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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	<i>Client Name: Building Name: Building Address:</i>	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	ic School venue				
J		Survey	March 7, 201		8, 2016			
Area: Flo	oor 01							
Location Room Number		Material Identification	Mat'l Code		Qty Unit	Phys. Assess. Fri Cond	0	Cond. AHERA Rating Cat.
Room (Old Gymnasium) 104) 715 FIREX	ChloroFlouroCarbons (CFCs) Fire Extinguisher	Н	NT	1 EA			NA
Room (Old Gymnasium) 104) 725 ETHRM	Electronic Items Containing Circuit I Digital Thermostat Unit	Boards H	NT	1 EA			NA
Stairwell SE1	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	200 SF			
Sampled in previous su	ırvey: 2001-1501-RSQ	C-5						
Stairwell SE1	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	40 SF			0 NA
Stairwell SE1	306 PLA	Plaster Gray	М	ND	1200 SF			
Sampled in previous su	ırvey: 102210-MV-9,1	0,11,12,13,15						
Stairwell SE1	700 CFL	Mercury Compact Fluorescent Bulb	Н	NT	2 EA			NA
Stairwell SE1	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	2 EA			NA
Stairwell SE1	700 EXIT	Mercury Illuminated Exit Sign	Н	NT	2 EA			NA
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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	acility				
Area: Flo	or 01	Guivey	March 7, 201		, 2010				
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess Fri Cond	. Damage Potential Water Air Vib Acc	Cond. AHERA Rating Cat.	
Stairwell SE1	710 SMKE	Lead Smoke Detector	Н	NT	1 EA			NA	
Women's Room 103A Above Ceiling	0 0			NT	0				
U	Aircell line presumed	to be present. Material is not prese	ent. No HazMat ite	ms were obser	rved in this ar	rea.			
Women's Room 103A	306 PLA	Plaster Gray	М	ND	500 SF				
Sampled in previous su	rvey: 102210-MV-9,10	0,11,12,13,15							
Women's Room 103A	308 BLBC	Base Cove & Mastic Black W/Tan Mastic	М	ND	25 LF			0 NA	

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318		St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	lic School F venue	acility								
•		Survey Mar		n 7, 2016 - March 8, 2016									
Area: Flo	oor 02												
Location Room Number		Material Identification	Mat'l Code		Qty Unit		Assess. Cond			otential /ib Ac	Cond c Rating	. AHERA g Cat.	
Closet 208	306 PLA	Plaster Gray	М	ND	180 SF								
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15											
Closet 210	306 PLA	Plaster Gray	М	ND	210 SF								
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15											
Custodial Closet 205	306 PLA	Plaster Gray	М	ND	250 SF								
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15											
Custodial Closet 205	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	8 EA							NA	
Custodial Closet 205	725 TELE	Electronic Items Containing Circuit B Telecommunications Panel	oards H	NT	1 EA							NA	
Hallway H21 Above Ceiling	209 AIRC	0-4 Aircell Pipe Insulation Gray	T Li	YES imited Visibili	6 LF ty	F	Ν	М	L	L	L 2	6	
e	oled in previous survey	: 2001-1501-RS-1.2.3											

35% Chrysotile. Sampled in previous survey: 2001-1501-RS-1,2,3

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN March 7, 201									
Area: FI	oor 02											
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. A Fri		Dama Water A		otential Vib Acc		AHERA Cat.
Hallway H21	301 LPCT	1x1 Ceiling Tile Large Peghole	Μ	ND	75 SF							
Sampled in previous s	survey 102210-MV-02											
Hallway H21	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	550 SF							
Sampled in previous s	survey: 2001-1501-RSQ	C-5										
Hallway H21	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	550 SF						0	NA
Hallway H21	304 TCTM	Ceiling Tile Adhesive Tan	М	ND	75 SF						0	NA
Hallway H21	306 PLA	Plaster Gray	М	ND	1200 SF							
Sampled in previous s	survey: 102210-MV-9,1	0,11,12,13,15										
Hallway H21	311 GBFT	9x9 Floor Tile & Mastic Gray W/ Black And White Streaks	Μ	YES	325 SF	Ν	Ν	L	L	LI	L 1	NA
7-10% Chrysotile (Til	le Only). Sampled in pr	evious survey: 102210-MV-01 and 2	2001-1501-RS-4									
Hallway H21	311 OFT	9x9 Floor Tile & Mastic Olive W/ White And Black Streaks	Μ	YES	125 SF	Ν	Ν	L	L	LI	L 1	NA
2% Chrysotile (Tile)	8% Chrysotile (Mastic)	Sampled in previous survey: 10221	0-MV-04									
	ompson\Desktop\E16-0565 ting Group, Inc.		tected NSMP = No NS = Not Suspect								Page 2	27 of 43

Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Building Name: Building Address:	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	-	
Area: Flo	oor 02					
Location Room Number		 Material Identification Subcategory Description 	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Damage Potential Cond. AHERA Fri Cond Water Air Vib Acc Rating Cat.
Hallway H21	700 ATHRM	Mercury Analog Thermostat	Н	NT	1 EA	NA
Hallway H21	700 CFL	Mercury Compact Fluorescent Bulb	Н	NT	5 EA	NA
Hallway H21	700 EMLT	Mercury Emergency Flood Light Unit	Н	NT	2 EA	NA
Hallway H21	700 EXIT	Mercury Illuminated Exit Sign	Н	NT	2 EA	NA
Hallway H21	715 FIREX	ChloroFlouroCarbons (CFCs) Fire Extinguisher	Н	NT	2 EA	NA
Hallway H21	725 CIRC	Electronic Items Containing Circuit Be Circuit Control Panel	oards H	NT	1 EA	NA
Hallway H21	725 MOTD	Electronic Items Containing Circuit Be Motion Detector Unit	oards H	NT	1 EA	NA
Hallway H21	735 CLSR	Oils Door Closer	Н	NT	3 EA	NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	-				
Area: Fl	oor 02								
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess Fri Cond	. Damage Potential Water Air Vib Acc		
Men's Room 203A	305 SRT	Sheetrock & Taping Compound Tan/Gray/White	М	ND	300 SF				
Sampled in previous s	survey: 2001-1501-RS-2								
Men's Room 203A	306 PLA	Plaster Gray	М	ND	400 SF				
Sampled in previous s	survey: 102210-MV-9,10	0,11,12,13,15							
Men's Room 203A	310 WBFT	12x12 Floor Tile & Mastic White W/ Brown Streaks	М	ND	50 SF				
2% Chrysotile (Tile O	only). Sampled in previo	ous survey: 102210-MV-05							
Men's Room 203A	316 CONC	Concrete Floor	М	NS	140 SF			0	
Reception Office 104	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	130 SF				
Sampled in previous s	urvey: 2001-1501-RSQ	C-5							
Reception Office 104	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	30 SF			0	NA
Reception Office 104	306 PLA	Plaster Gray	М	ND	380 SF				
Sampled in previous s	survey: 102210-MV-9,10	0,11,12,13,15							
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Client Number: S	E16-0565 STPAU006 S51601318	<i>Client Name: Building Name: Building Address: Survey</i>	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116	-	
Area: Floo	r 02					
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess. Damage Potential Cond. AHERA Fri Cond Water Air Vib Acc Rating Cat.
Reception Office 104	311 GBFT	9x9 Floor Tile & Mastic Gray W/ Black And White Streaks	М	YES	80 SF	N N L L L L 1 NA
7-10% Chrysotile (Tile O	nly). Sampled in pr	evious survey: 102210-MV-01 and 20	001-1501-RS-4			
Reception Office 104	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	8 EA	NA
Reception Office 104	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	2 EA	NA
Reception Office 104	710 SMKE	Lead Smoke Detector	Н	NT	1 EA	NA
Room 201	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	175 SF	
Sampled in previous surv	ey: 2001-1501-RSQ	C-5				
Room 201	304 TCTM	Ceiling Tile Adhesive Tan	М	ND	40 SF	0 NA
Room 201	305 SRT	Sheetrock & Taping Compound Tan/Gray/White	М	ND	300 SF	
Sampled in previous surv	ey: 2001-1501-RS-2					

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	lic School F venue	acility			
J J		Survey	March 7, 201		, 2016			
Area: Flo	oor 02							
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess Fri Cond		
Room 201	335 TBA	Adhesive Tackboard - Tan	М	ND	20 SF		0	NA
Previous surveys presu	med chalkboard adhe	sive was present. No chalkboard adh	esive was identif	ïed.				
Room 201	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	300 SF			
Sampled in previous su	rvey: 102210-MV-23							
Room 201	700 FLBLB	Mercury Fluorescent Tube Light	Н	ND	8 EA			NA
Room 201	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	2 EA			NA
Room 201	710 SMKE	Lead Smoke Detector	Н	NT	1 EA			NA
Room 201A	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	75 SF			
Sampled in previous su	rvey: 2001-1501-RSQ	C-5						
Room 201A	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	15 SF		0	NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	0	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	ic School F venue	acility			
3		Survey	March 7, 201		, 2016			
Area: Flo	oor 02							
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Ac	
Room 201A	305 SRT	Sheetrock & Taping Compound Tan/Gray/White	М	ND	250 SF			
Sampled in previous su	urvey: 2001-1501-RS-2							
Room 201A	335 TBA	Adhesive Tackboard - Tan	М	ND	20 SF			0 NA
Previous surveys presu	umed chalkboard adhe	sive was present. No chalkboard adh	esive was identif	ied.				
Room 201A	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	300 SF			
Sampled in previous s	urvey: 102210-MV-23							
Room 201A	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	8 EA			NA
Room 201A	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	2 EA			NA
Room 201A	725 ETHRM	Electronic Items Containing Circuit B Digital Thermostat Unit	oards H	NT	1 EA			NA
Room 201B	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	70 SF			
Sampled in previous s	urvey: 2001-1501-RSQ	C-5						

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	lic School I venue					
		Survey	March 7, 201	6 - March 8	8, 2016				
Area: Flo	oor 02								
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess. Fri Cond	. Damage Potential Water Air Vib Acc		
Room 201B	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	15 SF			0	NA
Room 201B	306 PLA	Plaster Gray	М	ND	280 SF				
Sampled in previous s	urvey: 102210-MV-9,1(0,11,12,13,15							
Room 201B	311 GBFT	9x9 Floor Tile & Mastic Gray W/ Black And White Streaks	М	YES	30 SF				
7-10% Chrysotile (Tile	e Only). Sampled in pro	evious survey: 102210-MV-01 and 2	001-1501-RS-4						
Room 201B	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	4 EA				NA
Room 201B	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	1 EA				NA
Room 202	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	175 SF				
Sampled in previous s	urvey: 2001-1501-RSQ	C-5							
Room 202	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	40 SF			0	NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	lic School F venue 55116	-				
		Survey	March 7, 201	6 - March 8	, 2016				
Area: Flo	oor 02								
Location Room Number		Material Identification Subcategory Description	Mat'l Code		Qty Unit	Phys. Assess Fri Cond	. Damage Potential Water Air Vib Acc		AHERA Cat.
Room 202	306 PLA	Plaster Gray	М	ND	900 SF				
Sampled in previous su	urvey: 102210-MV-9,1	0,11,12,13,15							
Room 202	335 BRBA	Adhesive Tackboard - Brown	М	ND	10 SF			0	NA
Room 202	335 TBA	Adhesive Tackboard - Tan	М	ND	10 SF			0	NA
Previous surveys presu	imed chalkboard adhe	esive was present. No chalkboard adh	esive was identif	ïed.					
Room 202	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	660 SF				
Sampled in previous su	urvey: 102210-MV-23								
Room 202	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	32 EA				NA
Room 202	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	8 EA				NA
Room 202	710 SMKE	Lead Smoke Detector	Н	NT	1 EA				NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN	lic School I venue					
Dunang Namber.		Survey	March 7, 201		s, 2016				
Area: Flo	oor 02								
Location Room Number		 Material Identification Subcategory Description 		Asbestos Content	Qty Unit	Phys. Assess Fri Cond		ntial Cond. AHE Acc Rating Cat	
Room 202	725 SERV	Electronic Items Containing Circuit I Computer Server Hub Unit	Boards H	NT	1 EA			Ν	ΝA
Room 203	306 PLA	Plaster Gray	М	ND	400 SF				
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15							
Room 203	316 CONC	Concrete Floor	М	NS	100 SF			0	
Room 204	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	175 SF				
Sampled in previous s	urvey: 2001-1501-RSQ	PC-5							
Room 204	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	40 SF			0 N	ΝA
Room 204	306 PLA	Plaster Gray	М	ND	900 SF				
Sampled in previous s	urvey: 102210-MV-9,1	0,11,12,13,15							
Room 204	330 BSU	Sink Undercoating Black	М	YES	1 EA	N N	LLI	. L 1 N	ΝA
3% Chrysotile. Sample	ed in previous survey:	102210-MV-16							
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Project Number: Client Number: Login Number: Building Number	E16-0565 STPAU006 351601318 :	Client Name: Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	ic School F venue	acility			
		Survey	March 7, 201	6 - March 8	, 2016			
Area: FI	oor 02							
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Damage Potential Fri Cond Water Air Vib Ac		
Room 204	335 BRBA	Adhesive Tackboard - Brown	М	ND	10 SF		0	NA
Room 204	335 TBA	Adhesive Tackboard - Tan	М	ND	10 SF		0	NA
Previous surveys pres	sumed chalkboard adhe	sive was present. No chalkboard adh	nesive was identif	ied.				
Room 204	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	660 SF			
Sampled in previous	survey: 102210-MV-23							
Room 204	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	16 EA			NA
Room 204	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	4 EA			NA
Room 204	710 SMKE	Lead Smoke Detector	Н	NT	1 EA			NA
Room 204	725 ETHRM	Electronic Items Containing Circuit I Digital Thermostat Unit	Boards H	NT	1 EA			NA

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Project Number: Client Number: Login Number: Building Number.	E16-0565 STPAU006 351601318 :	Client Name: Building Name: Building Address:	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN	lic School F venue	Facility				
		Survey	March 7, 201	6 - March 8	, 2016				
Area: FI	oor 02								
Location Room Number		 Material Identification Subcategory Description 	Mat'l Code		Qty Unit	Phys. Assess Fri Cond	. Damage Potential Water Air Vib Acc		
Room 206	306 PLA	Plaster Gray	М	ND	250 SF				
Sampled in previous	survey: 102210-MV-9,1	0,11,12,13,15							
Room 207	306 PLA	Plaster Gray	Μ	ND	600 SF				
Sampled in previous	survey: 102210-MV-9,1	0,11,12,13,15							
Room 207	335 BRBA	Adhesive Tackboard - Brown	М	ND	10 SF			0	NA
Room 207	335 TBA	Adhesive Tackboard - Tan	М	ND	10 SF			0	NA
Previous surveys pres	sumed chalkboard adhe	esive was present. No chalkboard adl	hesive was identif	fied.					
Room 207	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	M)	ND	225 SF				
Sampled in previous	survey: 102210-MV-23								
Room 207	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	6 EA				NA
Room 207	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	2 EA				NA
	nompson\Desktop\E16-0565 lting Group, Inc.		tected NSMP = No NS = Not Suspect					Page 37	of 43

Project Number: Client Number: Login Number: Building Number.	E16-0565 STPAU006 351601318 :	Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	ic School F venue	acility				
		Survey	March 7, 201	6 - March 8	, 2016				
Area: FI	oor 02								
Location Room Number		 Material Identification Subcategory Description 	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc		AHERA Cat.
Room 207	710 SMKE	Lead Smoke Detector	Н	NT	1 EA				NA
Room 207	725 ETHRM	Electronic Items Containing Circuit B Digital Thermostat Unit	oards H	NT	1 EA				NA
Room 209	306 PLA	Plaster Gray	М	ND	550 SF				
Sampled in previous	survey: 102210-MV-9,1	0,11,12,13,15							
Room 209	335 BRBA	Adhesive Tackboard - Brown	М	ND	10 SF			0	NA
Room 209	335 TBA	Adhesive Tackboard - Tan	М	ND	10 SF			0	NA
Previous surveys pres	sumed chalkboard adhe	sive was present. No chalkboard adh	esive was identif	ied.					
Room 209	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	225 SF				
Sampled in previous	survey: 102210-MV-23								
Room 209	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	2 EA				NA
	nompson\Desktop\E16-0565 lting Group, Inc.	St Paul ND = None Dete NT = Not Tested	cted NSMP = No NS = Not Suspect					Page 38	of 43

Project Number: Client Number: Login Number: Building Number	E16-0565 STPAU006 351601318 ?	Client Name: Building Name: Building Address: Survey	St. Paul Pu 900 Albion St. Paul, M		Facility	
Area: F	loor 02		·····, _		-,	
Location Room Number	Material Id#	Material Identification	Mat Coo	'l Asbestos le Content	Qty Unit	tential Cond. AHERA b Acc Rating Cat.
Room 209	710 SMKE	Lead Smoke Detector	Н	NT	1 EA	NA
Room 209	725 ETHRM	Electronic Items Containing Circuit E Digital Thermostat Unit	Boards H	NT	1 EA	NA
Room 209	725 SERV	Electronic Items Containing Circuit E Computer Server Hub Unit	Boards H	NT	1 EA	NA
Room 209	725 WIFI	Electronic Items Containing Circuit F Wi-Fi Router Hub	Boards H	NT	1 EA	NA
Room	730	Electronic Items Containing Cathode Tubes	Ray H	NT	1 EA	NA
209	CRT	Computer Monitor				
Room 211	301 SPCT	1x1 Ceiling Tile Small Peghole	М	ND	165 SF	
Sampled in previous	survey: 2001-1501-RSQ	C-5				
Room 211	304 BCTM	Ceiling Tile Adhesive Brown	М	ND	40 SF	0 NA
Room 211	335 BRBA	Adhesive Tackboard - Brown	М	ND	10 SF	0 NA
	hompson\Desktop\E16-0565 lting Group, Inc.	St Paul ND = None Dete NT = Not Tested		No Suspect Mater t PRE = Presume		Page 39 of 43

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN	ic School F venue	acility	
0		Survey	March 7, 201		, 2016	
Area: Flo	oor 02					
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	tial Cond. AHERA Acc Rating Cat.
Room 211	335 TBA	Adhesive Tackboard - Tan	М	ND	10 SF	0 NA
Previous surveys presu	imed chalkboard adhe	sive was present. No chalkboard adh	esive was identif	ied.		
Room 211	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	620 SF	
Sampled in previous su	urvey: 102210-MV-23					
Room 211	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	32 EA	NA
Room 211	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	8 EA	NA
Room 211	710 SMKE	Lead Smoke Detector	Н	NT	1 EA	NA
Room 211	725 ETHRM	Electronic Items Containing Circuit E Digital Thermostat Unit	Boards H	NT	1 EA	NA
Women's Room 203B	305 SRT	Sheetrock & Taping Compound Tan/Gray/White	М	ND	400 SF	

Sampled in previous survey: 2001-1501-RS-2

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Pub St. Paul Pub 900 Albion A St. Paul, MN March 7, 201	lic School F venue 55116				
Area: Flo	oor 02							
Location Room Number		 Material Identification Subcategory Description 	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess. Fri Cond	Damage Potential Water Air Vib Acc	Cond. AHERA Rating Cat.
Women's Room 203B	308 BLBC	Base Cove & Mastic Black W/Tan Mastic	М	ND	20 LF			0 NA
Women's Room 203B	310 WBFT	12x12 Floor Tile & Mastic White W/ Brown Streaks	М	ND	50 SF			
2% Chrysotile (Tile O	nly). Sampled in previ	ous survey: 102210-MV-05						
Women's Room 203B	316 CONC	Concrete Floor	М	NS	110 SF			0

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address: Survey	St. Paul Publ St. Paul Publ 900 Albion A St. Paul, MN March 7, 201	ic School F venue 55116	-			
Area: Flo	oor 03							
Location Room Number		Material Identification Subcategory Description	Mat'l Code	Asbestos Content	Qty Unit	Phys. Assess Fri Cond	. Damage Potential Water Air Vib Acc	
Room 301	306 PLA	Plaster Gray	М	ND	400 SF			
Sampled in previous su	urvey: 102210-MV-9,10),11,12,13,15						
Room 301	405 FVB	Felt Material Vapor Barrier (Beneath Wood Floor)	М	ND	120 SF			
Sampled in previous su	rvey: 102210-MV-23							
Room 301	700 ATHRM	Mercury Analog Thermostat	Н	NT	1 EA			NA
Room 301	700 FLBLB	Mercury Fluorescent Tube Light	Н	NT	4 EA			NA
Room 301	705 LTBAL	Poly-Chlorinated Biphenyls (PCBs) Light Ballast	Н	NT	2 EA			NA

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Project Number: Client Number: Login Number: Building Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	Iding Name: St. Paul Public Sch							
Ū		Survey	March 7, 201		, 2016					
Area: In	terior									
Location Room Number	Material Id# Materi Subcategory Subca		Mat'l Code	Asbestos Content	Qty Unit	j -	Assess. Cond	Damage I Water Air		AHERA Cat.
Throughout	0 0		Li	NT imited Visibili	0 ty					
Previous surveys pres	sumed asbestos electrical wire in	sulation is present. Nova d	id not observe sus	pect wire insu	lation.					

TABLE 2

ASBESTOS SAMPLE ANALYSIS

Nova Consulting Group, Inc.

Project Number: Client Number: Login Number: Building Number:

E16-0565	Client Name:	St. Paul Public Schools
STPAU006	Building Name:	St. Paul Public School Facility
351601318	Building Address:	900 Albion Avenue
	-	St. Paul, MN 55116
	Survey	March 7, 2016 - March 8, 2016
	-	

Project Chuck Easley			Survey Date(s): March 7, 2016 -	Container Type: Whirl Pack	
Analytical Method: Polarized Light Mid		icroscopy with	Dispersion Staining (I	Total # Samples: 33		
Quality Control B	lank: Glass Fiber from	SRM 1866	Room Temp(C	;):		Reporting Limit: 1% Asbestos
Sampled By:	Silas Thompson	Date/Time:	3/8/2016 3:00:00	Received/Lab	EMSL Analytical, Inc.	Date/Time: 3/9/2016 8:00:00
Received By:	Silas Thompson	Date/Time:	3/8/2016 3:00:00	Logged in By:	EMSL Analytical, Inc.	Date/Time: 3/9/2016 8:00:00
Relinquished By:	Silas Thompson	Date/Time:	3/8/2016 5:20:00	Analyzed By:	EMSL Analytical, Inc.	Date/Time: 3/9/2016
Turnaround Time	: 24 Hours	Due:	3/10/2015 8:00:00	Client Notified E	By:Nova Consulting Group,	Date/Time: 3/9/2016
			AM		Inc.	
Note:	33 bulk samples were	submitted. 53	analytical layers were	analyzed.		

ND = None Detected NT = Not Tested TRACE = <1% Detection Limit = 1%

Nova Consulting Group, Inc.

Project Number:E16-0565CClient Number:STPAU006BLogin Number:351601318BBuilding Number:

Client Name:St. Paul Public SchoolsBuilding Name:St. Paul Public School FacilityBuilding Address:900 Albion AvenueSt. Paul, MN 55116March 7, 2016 - March 8, 2016

Mtl#-Sub-Ltr Sample Pos	 Area Location / Room# 	Material Description	Subcategory Description	Sample Prep Fria	ability	Asbestos Fibers	Non-Asbestos	Comments/ Nonfibrous Material
304-BCTM-A	Floor 01 Room / 102	Ceiling Tile Adhesive	Brown		Non- riable	ND Mastic		100% Non-Fibrous Other
304-BCTM-B	Floor 01 Hallway/Room / H12	Ceiling Tile Adhesive	Brown		Non- riable	ND Mastic		100% Non-Fibrous Other
304-BCTM-C	Floor 02 Hallway / H21	Ceiling Tile Adhesive	Brown		Non- riable	ND Mastic		100% Non-Fibrous Other
304-TCTM-A	Floor 02 Hallway / H21	Ceiling Tile Adhesive	Tan		Non- riable	ND Mastic		100% Non-Fibrous Other
304-ТСТМ-В	Floor 02 Hallway / H21	Ceiling Tile Adhesive	Tan		Non- riable	ND Mastic		100% Non-Fibrous Other
304-TCTM-C	Floor 02 Hallway / H21	Ceiling Tile Adhesive	Tan		Non- riable	ND Mastic		100% Non-Fibrous Other
308-BLBC-A	Floor 01 Room / 101	Base Cove & Mastic	Black W/Tan Mastic		Non- riable	ND		100% Non-Fibrous Other
308-BLBC-A	Floor 01 Room / 101	Base Cove & Mastic	Black W/Tan Mastic		Non- riable	ND Mastic		100% Non-Fibrous Other
308-BLBC-B	Floor 01 Bathroom Hall / TA3	Base Cove & Mastic	Black W/Tan Mastic		Non- riable	ND		100% Non-Fibrous Other
308-BLBC-B	Floor 01 Bathroom Hall / TA3	Base Cove & Mastic	Black W/Tan Mastic		Non- riable	ND Mastic		100% Non-Fibrous Other
308-BLBC-C	Floor 01 Men's Room / 103	Base Cove & Mastic	Black W/Tan Mastic		Non- riable	ND		100% Non-Fibrous Other
308-BLBC-C	Floor 01 Men's Room / 103	Base Cove & Mastic	Black W/Tan Mastic		Non- riable	ND Mastic		100% Non-Fibrous Other
309-TCM-A	Floor 01 Room / 102	Mastic - Carpet	Tan		Non- riable	ND Mastic		100% Non-Fibrous Other

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Nova Consulting Group, Inc.

Project Number:E16-0565Client Number:STPAU006Login Number:351601318Building Number:

Client Name:St. Paul Public SchoolsBuilding Name:St. Paul Public School FacilityBuilding Address:900 Albion AvenueSurveySt. Paul, MN 55116March 7, 2016 - March 8, 2016

Mtl#-Sub-Lt Sample Pos	r Area . Location / Room#	Material Description	Subcategory Description	Sample Prep Friability	Asbestos Fibers	Non-Asbestos	Comments/ Nonfibrous Material
309-ТСМ-В	Floor 01 Hallway/Room / H12	Mastic - Carpet	Tan	Non- Friable	ND Mastic		100% Non-Fibrous Other
309-TCM-C	Floor 01 Hallway/Room / H12	Mastic - Carpet	Tan	Non- Friable	ND Mastic		100% Non-Fibrous Other
315-RCT-A	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND	25% Cellulose	75% Non-Fibrous Other
315-RCT-A	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND		100% Non-Fibrous Other
315-RCT-A	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND		100% Non-Fibrous Other
315-RCT-B	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND	25% Cellulose	75% Non-Fibrous Other
315-RCT-B	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND		100% Non-Fibrous Other
315-RCT-B	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND		100% Non-Fibrous Other
315-RCT-C	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND	ND	100% Non-Fibrous Other
315-RCT-C	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND		100% Non-Fibrous Other
315-RCT-C	Floor 01 Main Entrance / SE1	Ceramic Tile and Grout	Red Ceramic Tile	Non- Friable	ND		100% Non-Fibrous Other
320-EBM-A	Exterior Perimeter	Mortar	Gray Exterior Brick Mortar	Non- Friable	ND		100% Non-Fibrous Other
320-EBM-B	Exterior Perimeter	Mortar	Gray Exterior Brick Mortar	Non- Friable	ND		100% Non-Fibrous Other

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Nova Consulting Group, Inc.

Project Number:E16-0565CClient Number:STPAU006BLogin Number:351601318BBuilding Number:B

Client Name:St. Paul Public SchoolsBuilding Name:St. Paul Public School FacilityBuilding Address:900 Albion AvenueSurveySt. Paul, MN 55116March 7, 2016 - March 8, 2016

Mtl#-Sub-Lti Sample Pos	r Area . Location / Room#	Material Description	Subcategory Description	Sample Prep Frial	Asbesto bility Fibers		Comments/ Nonfibrous Material
320-EBM-C	Exterior Perimeter	Mortar	Gray Exterior Brick Mortar	No Fria			100% Non-Fibrous Other
335-BRBA-A	Floor 02 Room / 202	Adhesive	Tackboard - Brown	No Fria		e	100% Non-Fibrous Other
335-BRBA-B	Floor 02 Room / 202	Adhesive	Tackboard - Brown	No Fria		e	100% Non-Fibrous Other
335-BRBA-C	Floor 01 Room / 101	Adhesive	Tackboard - Brown	No Fria		e	100% Non-Fibrous Other
335-ТВА-А	Floor 01 Room / 101	Adhesive	Tackboard - Tan	No Fria		e	100% Non-Fibrous Other
335-ТВА-В	Floor 01 Room / 101	Adhesive	Tackboard - Tan	No Fria		e	100% Non-Fibrous Other
335-ТВА-С	Floor 02 Room / 202	Adhesive	Tackboard - Tan	No Fria		e	100% Non-Fibrous Other
404-BRF-A	Exterior Roof - Main Level	Flashing	Black	No Fria		15% Cellulose	85% Non-Fibrous Other
404-BRF-B	Exterior Roof - Room 301 Level	Flashing	Black	No Fria		15% Cellulose	85% Non-Fibrous Other
404-BRF-C	Exterior Roof - Air Handler Penthouse Level	Flashing	Black	No Fria		15% Cellulose	85% Non-Fibrous Other
404-GRF-A	Exterior Roof - Main Level	Flashing	Gray	No Fria	2	otile	92% Non-Fibrous Other
404-GRF-B	Exterior Roof - Main Level	Flashing	Gray	No Fria		otile	92% Non-Fibrous Other
404-GRF-C	Exterior Roof - Air Handler	Flashing	Gray	No Fria	2	otile	92% Non-Fibrous Other

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Nova Consulting Group, Inc.

Project Number:E16-0565Client Number:STPAU006Login Number:351601318Building Number:

Client Name:St. Paul Public SchoolsBuilding Name:St. Paul Public School FacilityBuilding Address:900 Albion AvenueSurveySt. Paul, MN 55116SurveyMarch 7, 2016 - March 8, 2016

Mtl#-Sub-Ltr Sample Pos.	Area Location / Room#	Material Description	Subcategory Description	Sample Prep	Friability	Asbestos Fibers	Non-Asbestos	Comments/ Nonfibrous Material
408-BRTM-A	Exterior Roof - Main Level	Flat Roof	Black/Brown Roof Core		Non- Friable	ND	90% Cellulose 10% Perlite	
408-BRTM-A	Exterior Roof - Main Level	Flat Roof	Black/Brown Roof Core		Non- Friable	ND	20% Cellulose	80% Non-Fibrous Other
408-BRTM-A	Exterior Roof - Main Level	Flat Roof	Black/Brown Roof Core		Non- Friable	ND		100% Non-Fibrous Other
408-BRTM-A	Exterior Roof - Main Level	Flat Roof	Black/Brown Roof Core		Non- Friable	ND	20% Cellulose	80% Non-Fibrous Other
408-BRTM-A	Exterior Roof - Main Level	Flat Roof	Black/Brown Roof Core		Non- Friable	ND	20% Fibrous Glass	80% Non-Fibrous Other
408-BRTM-B	Exterior Roof - Room 301 Level	Flat Roof	Black/Brown Roof Core		Friable Non-Friable	ND	20% Fibrous Glass	100% Non-Fibrous Other
408-BRTM-B	Exterior Roof - Room 301 Level	Flat Roof	Black/Brown Roof Core		Friable Non-Friable	ND	20% Cellulose	80% Non-Fibrous Other
408-BRTM-B	Exterior Roof - Room 301 Level	Flat Roof	Black/Brown Roof Core		Friable Non-Friable	ND	90% Cellulose 10% Perlite	
408-BRTM-B	Exterior Roof - Room 301 Level	Flat Roof	Black/Brown Roof Core		Friable Non-Friable	ND		100% Non-Fibrous Other
408-BRTM-B	Exterior Roof - Room 301 Level	Flat Roof	Black/Brown Roof Core		Friable Non-Friable	ND		100% Non-Fibrous Other
408-BRTM-C	Exterior Roof - Air Handler Penthouse Level	Flat Roof	Black/Brown Roof Core		Non- Friable	ND		100% Non-Fibrous Other
408-BRTM-C	Exterior Roof - Air Handler Penthouse Level	Flat Roof	Black/Brown Roof Core		Non- Friable	ND	20% Cellulose	80% Non-Fibrous Other

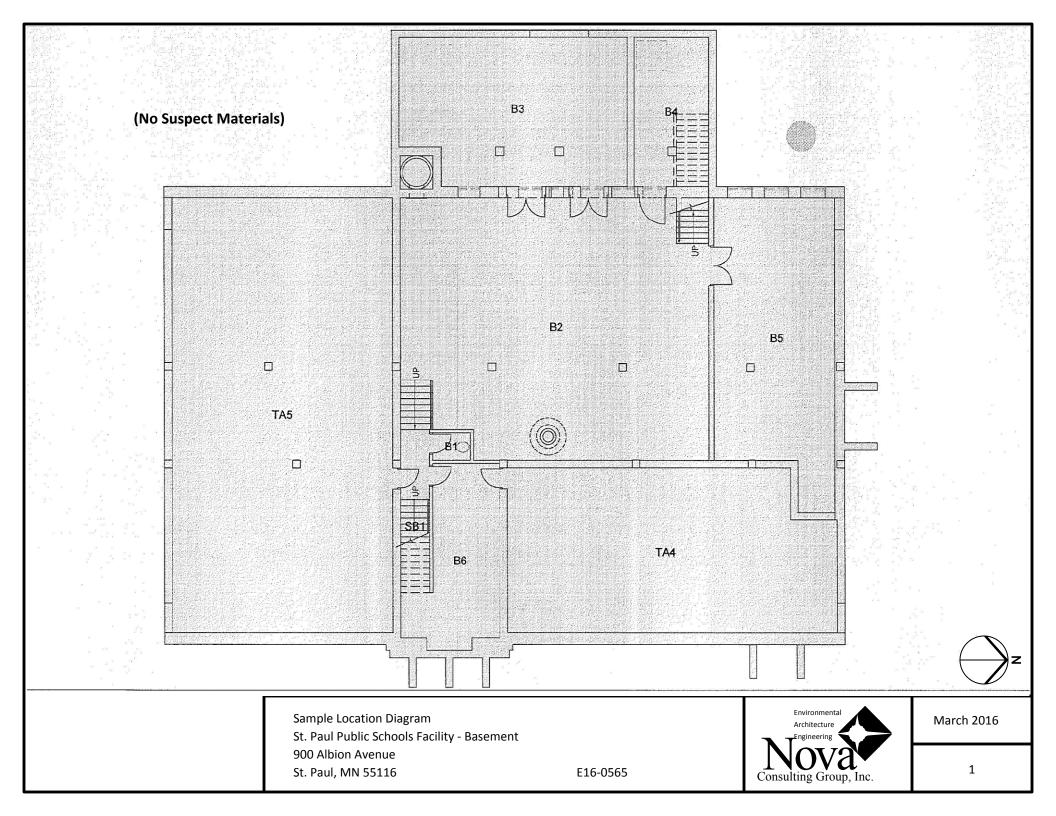
C:\Users\silasthompson\Desktop\E16-0565 St Paul Schools.mdb © NCG Laboratories ND = None Detected NT = Not Tested TRACE = <1% Detection Limit = 1% Page 5 of 6

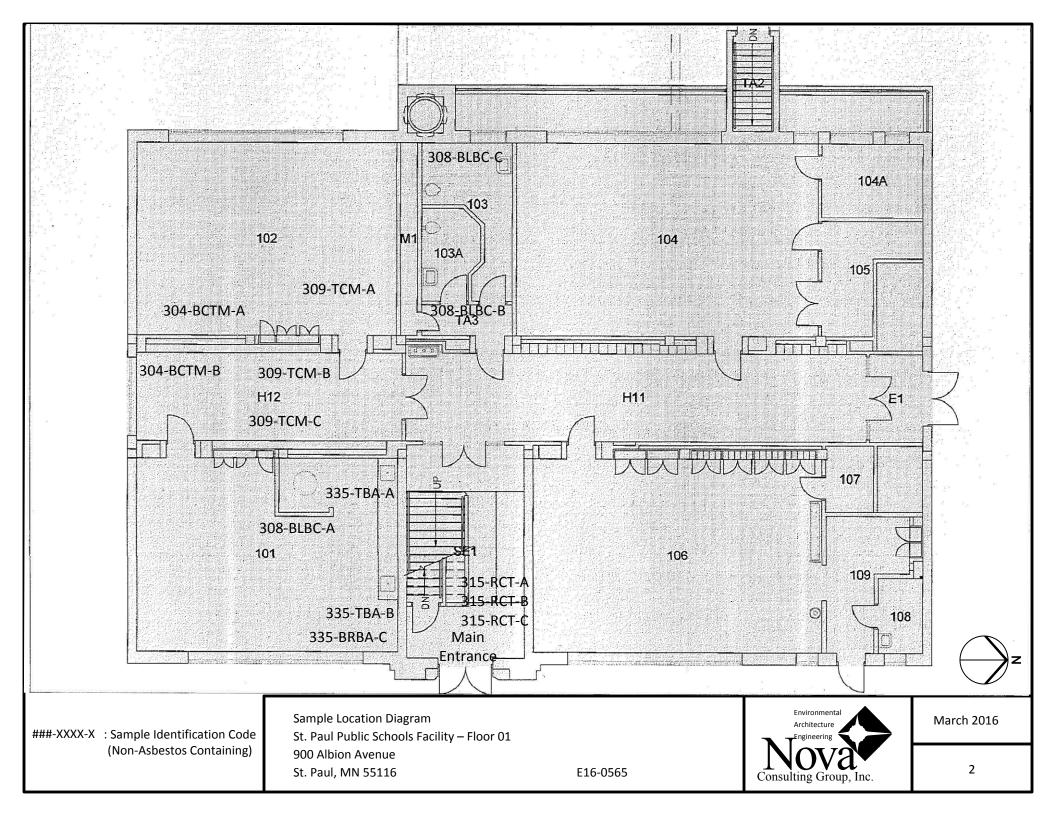
Nova Consulting Group, Inc.

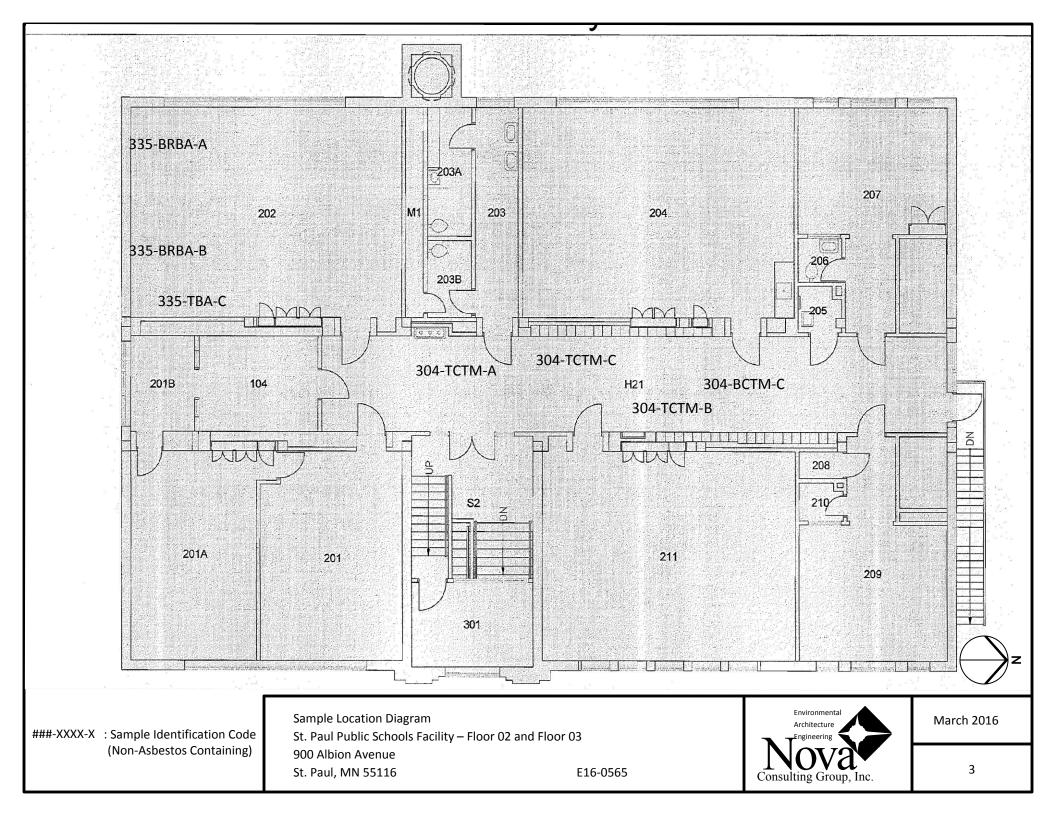
Project Number: Client Number: Login Number:	E16-0565 STPAU006 351601318	Client Name: Building Name: Building Address:	St. Paul Public Schools St. Paul Public School Facility 900 Albion Avenue St. Paul, MN 55116
Building Number:		Survey	St. Paul, MN 55116 March 7, 2016 - March 8, 2016

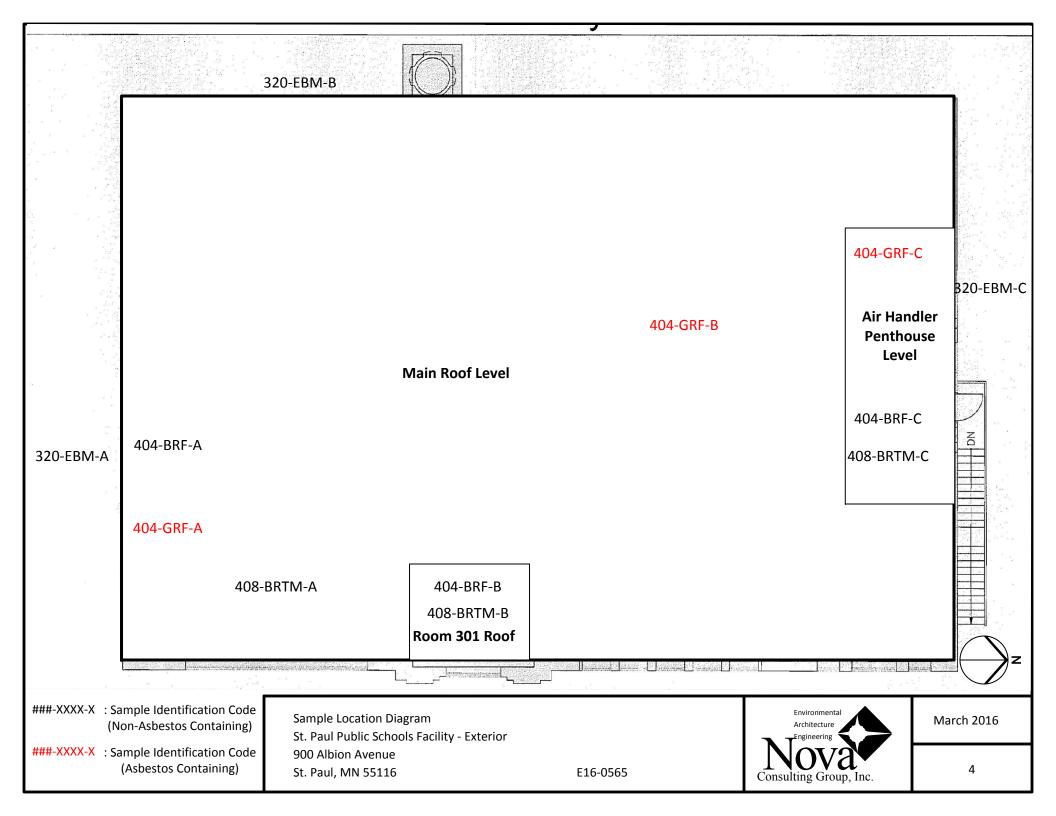
Mtl#-Sub-Ltr Sample Pos	· Area . Location / Room#	Material Description	Subcategory Description	Sample Prep Friability	Asbestos Fibers	Non-Asbestos	Comments/ Nonfibrous Material
408-BRTM-C	Exterior Roof - Air Handler Penthouse Level	Flat Roof	Black/Brown Roof Core	Non- Friable	ND		100% Non-Fibrous Other
408-BRTM-C	Exterior Roof - Air Handler Penthouse Level	Flat Roof	Black/Brown Roof Core	Non- Friable	ND	90% Cellulose 10%Perlite	
408-BRTM-C	Exterior Roof - Air Handler Penthouse Level	Flat Roof	Black/Brown Roof Core	Non- Friable	ND		100% Non-Fibrous Other

DRAWINGS









APPENDIX A

TABLE FORMAT EXPLANATION

TABLE FORMAT EXPLANATION

The field data and the laboratory results are presented in the following tabular format:

- Table 1:
 Material Identification Inventory
 - A room by room inventory of material types, quantity, conditions and potential for future disturbance.
- Table 2: Material Sample Analysis
 - Indicates the location of bulk sample collection, material description and approximate percentage and type of fibers present.

MATERIAL IDENTIFICATION INVENTORY KEY

<u>Area, Location, Room Number</u> – The area, location, and room number refers to where the material was located.

<u>Material Code (Mat'l Code)</u> - Asbestos-containing materials are categorized into three main types:

- 1) <u>Surfacing Material (S)</u>: Material in a building that is sprayed-on, troweled-on, or otherwise applied to surfaces.
- 2) <u>Thermal System Insulation (T)</u>: Material applied to pipes, fittings, tanks, ducts, etc., to prevent heat loss or gain or serve as condensation control.
- 3) <u>Miscellaneous Material (M)</u>: Material on interior structural components, structural members or fixtures, but not including surfacing materials and thermal insulators (e.g., floor and ceiling tiles).

<u>Material Identification/Material Sub-Category</u> - Description of the material found in the location. (NOTE: Pipe diameters are approximate, outside diameters of the insulating materials).

<u>Asbestos Content</u> - This column specifies whether or not the bulk sample, or referenced bulk sample, for the described material tested contains >1% asbestos. ND means "No Asbestos Detected", NS means "Material Is Not Suspect", PRE means "Presumed Asbestos-Containing Material"; NT means "Not Tested". TR means "Trace" (trace = <1%).

<u>Reference Sample Number</u> - The sample number refers to the number assigned to the set of samples collected for the homogeneous material described (refer to Table 2).

Quantity - The amount of material present

<u>Unit</u> - The parameters of each quantity expressed as follows:

- 1) Square Feet (SF)
- 2) Linear Feet (LF)
- 3) Each (EA)

<u>Physical Assessment</u> - This column is divided into two sections describing the condition of the material at the time of the survey.

The first column expressed the friability of the material as follows:

- 1) <u>Friable (F)</u> The material can be pulverized and reduced to a powder by manual pressure when dry; this could include damaged non-friable materials.
- 2) <u>Non-Friable (N)</u> The material cannot be crumbled using hand pressure.

The second column expressed the conditions of the material at the time of the survey as follows:

- <u>N</u> Not Damaged
- \underline{D} Damaged The material has deteriorated or sustained physical injury such that it is not intact, less than 25% localized damage or less than 10% overall damage.
- \underline{S} Significantly Damaged The damage is extensive and severe, the asbestoscontaining material has sustained greater than 25% localized damage or greater than 10% overall damage.

<u>Damage Potential</u> - This is a group of four columns that address the potential for the material to be disturbed/damaged in the future as follows:

- \underline{L} Low potential for damage
- \underline{M} Moderate potential for damage
- \underline{H} High potential for damage or significant damage
- 1) <u>Water Damage (Water)</u>: This is determined by function of the system that is insulated, the presence of leaking pipes, roofs, etc. in the vicinity of the material.
- 2) <u>Air Erosion (Air)</u>: The potential for air erosion to a material is determined by the movement of air in the area of the material and the relationship between the friability of the material and its location in respect to air plenums and air streams.
- 3) <u>Vibrational Damage (Vib)</u>: This type of damage potential is determined by the presence of sounds, motors, mechanical equipment or other vibrational disturbances.
- 4) <u>Accessibility (Acc)</u>: This column indicates the general use patterns of the area and the potential for contact with the material abbreviated as follows:
 - \underline{L} Accessed less than once per month
 - \underline{M} Routine access by Operations and Maintenance Workers, between once per week to once per month
 - \underline{H} Generally accessible, routine contact by any building occupant, access more than once per week

<u>Condition Rating</u>: This is a 0-4 number assigned to summarize the data across the line. The condition ratings are primarily used in conjunction with a phased abatement program where the highest priority materials (Condition rating 4) are removed first and materials with lower condition ratings are managed under an Operations and Maintenance Plan. An explanation of each condition rating is as follows:

0 - <u>NON-ASBESTOS-CONTAINING MATERIAL</u>: The material does not contain detectable levels (1%) of asbestos and requires no further action.

1 - <u>ASBESTOS-CONTAINING MATERIAL (NON-FRIABLE)</u>: The material contains asbestos and is non-friable. Avoid cutting, sanding, drilling or otherwise abrading the material. The material should be monitored under an O&M program.

2 - <u>ASBESTOS-CONTAINING MATERIAL (FRIABLE)</u>: The material contains asbestos and is friable. No damage was observed. The material should be monitored under an O&M program.

3 - <u>ASBESTOS-CONTAINING MATERIAL (FRIABLE, DAMAGED)</u>: The material contains asbestos and is friable. Localized damage and the potential for disturbance was observed. Repair (encapsulation, enclosure, and encasement) or removal of the material is recommended. Repaired materials should be monitored under an O&M program.

4 - <u>ASBESTOS-CONTAINING MATERIAL</u> (FRIABLE, SIGNIFICANTLY <u>DAMAGED</u>): The material contains asbestos and is friable. Extensive damage and significant potential for disturbance was observed. Immediate removal of the material is recommended.

AHERA category numbers also are inserted as follows:

- 1. Damaged or significantly damaged friable thermal system materials.
- 2. Damaged friable surfacing ACM.
- 3. Significantly damaged friable surfacing ACM.
- 4. Damaged or significantly damaged friable miscellaneous ACM.
- 5. Friable ACM with potential for significant damage.
- 6. Friable ACM with potential for damage.
- 7. Any remaining friable ACM or friable suspected ACM.

Reinspection Detail:

Reinspection and Periodic Surveillance details will appear only if reinspection or periodic surveillance is present. The reinspection, periodic surveillance, and response action details will be listed. Within the reinspection or periodic surveillance detail, information relating to changes in material condition appears.

The word "changed?" indicates a change in material condition or potential for future disturbance. New assessment information is also included in the reinspection or periodic surveillance detail. If "no change" appears, all assessment information remains the same as the previous inspection. AHERA category numbers also are inserted as follows:

- 1. Damaged or significantly damaged friable thermal system materials.
- 2. Damaged friable surfacing ACM.
- 3. Significantly damaged friable surfacing ACM.
- 4. Damaged or significantly damaged friable miscellaneous ACM.
- 5. Friable ACM with potential for significant damage.
- 6. Friable ACM with potential for damage.
- 7. Any remaining friable ACM or friable suspected ACM.

Non-friable and negative materials are not assigned an AHERA category number.

Abbreviations for friability, condition, condition rating, and potential for damaged have been outlined in previous sections.

Response Action Detail:

Response action details will appear if removal, encapsulation, enclosure, or repair information exists.

This detail outlines removal, encapsulation, enclosure, and repair dates, and quantities for the specific material type. A total removal quantity and an adjusted ACM remaining quantity are provided. The asbestos contractor and consultant may also be identified here.

MATERIAL SAMPLE ANALYSIS KEY

<u>Material Identification/Sub-Category/Letter</u>: The sample number refers to the number assigned to the set of samples taken from a single homogeneous material. The letter following the number identifies samples individually within a homogeneous sample series (e.g. "A", "B", and "C" for three samples of one floor tile type).

<u>Area, Location, Room Number</u>: The area, location, and room number refers to where the sample was collected.

<u>Material Identification/Material Sub-Category</u>: This column is a written description of the material that was sampled.

<u>Percent and Type Asbestos</u>: This is a detailed breakdown of approximate percentage and mineral species of asbestos found during bulk sample analysis.

<u>Percent and Type Non-Asbestos and Percent Non-Fibrous Constituents</u>: Listing of approximate percentage of the remaining.

Samples collected during a reinspection are highlighted with an asterisk and the reinspection date.

APPENDIX B

SURVEY METHODS

ASBESTOS BUILDING SURVEY METHODS

The asbestos survey was conducted in accordance with 29CFR1926.1101, 40 CFR Part 61 and any state or local requirements. All surveys are conducted by accredited inspectors.

The asbestos survey included identifying friable and non-friable, asbestos-containing building materials (ACBM), on an area-by-area basis, assessment of friability, current condition and potential for future disturbance of the material, an estimate of the amount of ACBM, and an overall condition rating of the material. Nova inspectors completed this survey utilizing Nova's interactive database system, which provides a computerized, updateable data management system.

Nova identified and categorized suspect materials into three groups: 1) thermal system insulation (T) including pipe, HVAC insulation and fitting insulation; 2) sprayed-on or troweledon surfacing material (S) including acoustical plaster, soundproofing, fireproofing, and decorative materials; and 3) miscellaneous materials (M) including ceiling tile and floor tile.

The inspector performed a visual estimation of the quantity of asbestos-containing materials and the current condition of these materials in all accessible areas. Factors included in the condition assessment are adhesion of the material to the underlying substrate, deterioration of the outer covering, delamination, contact damage, and materials disintegration.

Friability and potential for future damage of asbestos materials was also assessed by the inspector. Damage potential was evaluated by observation of conditions most likely to result in disturbance of asbestos-containing materials. These conditions are:

<u>Air Erosion</u> - A direct air stream moving across the material erodes the material, thereby creating airborne fibers. The potential for air erosion is determined by the relationship between the friability of the material and its location in respect to air plenums and air streams.

<u>Vibrational Damage</u> - Determined by the presence of noise, physical movement and mechanical vibrations which can create ambient fiber release.

<u>Accessibility</u> - If the material can be reached, it is accessible and subject to accidental or intentional contact damage.

<u>Water Damage</u> - Determined by the presence of water leaks or evidence of previous water leaks by water stains, delamination, etc.

Based on the assessment of asbestos-containing materials, priority ratings were generated to assist in the planning and implementation of a phased abatement and/or an Operations and Maintenance Program. High priority ratings indicate materials which are significantly damaged and exposed to continual disturbance. Lower priority ratings represent materials with decreasingly lower exposure potentials.

Bulk samples of suspect materials were collected in a random and unbiased manner. Representative bulk samples of suspect materials were collected to determine the extent of ACBM present throughout the building. Sampling was completed in accordance with 40CFR763 (AHERA).

Sampling procedures utilized by the accredited inspector minimized fiber dispersal and conformed to applicable regulations. Suspect asbestos-containing materials were analyzed by a NVLAP accredited laboratory using the Environmental Protection Agency (EPA) recommended polarized light microscopy (PLM) with dispersion staining analytical technique.

The Environmental Protection Agency (EPA) requires that any sample with an asbestos content estimated to be less than 10 percent by a method other than point counting, such as visual estimation, shall be repeated using the point counting technique with PLM. However, if the laboratory detects asbestos in the samples and estimates the amount by visual estimation to be less than 10 percent, the owner or operator of the building may elect to treat the material as asbestos-containing. A sample in which no asbestos is detected does not require repeat analysis using point counting techniques with PLM. Samples analyzed for this survey with values less than 10 percent have not been point counted and have been assumed to contain asbestos greater than 1 percent.

APPENDIX C

LABORATORY CREDENTIALS

United States Department of Commerce National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200019-0

EMSL Analytical, Inc.

Minneapolis, MN

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-04-01 through 2016-03-31

Effective dates



P MAL

For the National Institute of Standards and Technology

National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc. 14375 23rd Avenue North Minneapolis, MN 55447 Ms. Rachel Travis Phone: 763-449-4922 Fax: 763-449-4924 E-Mail: rtravis@emsl.com URL: http://www.emsl.com

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200019-0

NVLAP Code Designation / Description

1**8/A**01

EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-04-01 through 2016-03-31

Effective dates

For the National Institute of Standards and Technology

Page 1 of 1

National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc. 14375 23rd Avenue North Minneapolis, MN 55447 Ms. Rachel Travis Phone: 763-449-4922 Fax: 763-449-4924 E-Mail: rtravis@emsl.com URL: http://www.emsl.com

AIRBORNE ASBESTOS FIBER ANALYSIS (TEM)

NVLAP LAB CODE 200019-0

NVLAP Code Designation / Description

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

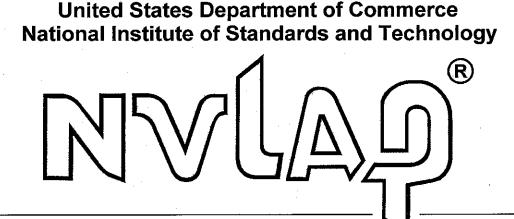
2015-04-01 through 2016-03-31

Effective dates

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

Page 1 of 1



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200019-0

EMSL Analytical, Inc.

Minneapolis, MN

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-04-01 through 2016-03-31

Effective dates



Mhi Q MILL

For the National Institute of Standards and Technology

APPENDIX D

LAB RESULTS



EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447 Tel/Fax: (763) 449-4922 / (763) 449-4924 http://www.EMSL.com / minneapolislab@emsl.com EMSL Order: 351601318 Customer ID: NOVA52 Customer PO: Project ID:

 Phone:
 (763) 245-7323

 Fax:
 (952) 448-9572

 Received Date:
 03/09/2016 8:00 AM

 Analysis Date:
 03/09/2016

 Collected Date:

Project: E16-0565 St. Paul Schools

Chaska, MN 55318

Nova Consulting Group

1107 Hazeltine Blvd. Suite 400

Attention: Silas Thompson

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbe	stos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
309-TCM-A	Tan Carpet Mastic - Rm 102	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0001		Homogeneous			
309-TCM-B	Tan Carpet Mastic - Hall H12	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0002		Homogeneous			
309-TCM-C	Tan Carpet Mastic - Hall H12	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0003		Homogeneous			
308-BLBC-A-Basecove	Black Vinyl Basecove + Mastic - Rm 101	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0004		Homogeneous			
308-BLBC-A-Mastic	Black Vinyl Basecove + Mastic - Rm 101	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0004A		Homogeneous			
308-BLBC-B-Basecove	Black Vinyl Basecove + Mastic - TAB	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0005	Bathroom Hall	Homogeneous			
308-BLBC-B-Mastic	Black Vinyl Basecove + Mastic - TAB	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0005A	Bathroom Hall	Homogeneous			
308-BLBC-C-Basecove	Black Vinyl Basecove + Mastic - 1st Fl.	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0006	Men's Rm 103	Homogeneous			
308-BLBC-C-Mastic 351601318-0006A	Black Vinyl Basecove + Mastic - 1st Fl. Men's Rm 103	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
		Homogeneous			New Potented
315-RCT-A-Ceramic Tile	Red Ceramic FT + Grout - Main Entrance	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
351601318-0007		Homogeneous			
315-RCT-A-Grout	Red Ceramic FT + Grout - Main Entrance	Gray Fibrous	25% Cellulose	75% Non-fibrous (Other)	None Detected
351601318-0007A		Homogeneous			
315-RCT-A-Bedding	Red Ceramic FT + Grout - Main Entrance	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0007B		Homogeneous			
315-RCT-B-Ceramic	Red Ceramic FT +	Red		100% Non-fibrous (Other)	None Detected
Tile	Grout - Main Entrance	Non-Fibrous Homogeneous			
351601318-0008					
315-RCT-B-Grout	Red Ceramic FT + Grout - Main Entrance	Gray Fibrous	25% Cellulose	75% Non-fibrous (Other)	None Detected
351601318-0008A		Homogeneous			
315-RCT-B-Bedding	Red Ceramic FT + Grout - Main Entrance	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0008B		Homogeneous			



EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447 Tel/Fax: (763) 449-4922 / (763) 449-4924 http://www.EMSL.com / minneapolislab@emsl.com

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-A</u> % Fibrous	s <u>bestos</u> % Non-Fibrous	<u>Asbestos</u> % Type
315-RCT-C-Ceramic Tile	Red Ceramic FT + Grout - Main Entrance	Red Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0009		Homogeneous			
315-RCT-C-Grout	Red Ceramic FT + Grout - Main Entrance	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0009A		Homogeneous			
315-RCT-C-Bedding	Red Ceramic FT + Grout - Main Entrance	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0009B		Homogeneous			
304-TCTM-A	Tan Ceiling Tile Adhesive (Large	Tan Non-Fibrous Homogonooun		100% Non-fibrous (Other)	None Detected
351601318-0010	Peghole) - H21	Homogeneous			News Defected
304-TCTM-B 351601318-0011	Tan Ceiling Tile Adhesive (Large Peghole) - H21	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
304-TCTM-C	Tan Ceiling Tile	Tan		100% Non-fibrous (Other)	None Detected
351601318-0012	Adhesive (Large Peghole) - H21	Non-Fibrous Homogeneous			None Delected
304-BCTM-A	Brown Ceiling Tile Adhesive (Small	Brown Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0013	Peghole) - Rm 102	Homogeneous			
304-BCTM-B	Brown Ceiling Tile Adhesive (Small	Brown Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0014	Peghole) - H12	Homogeneous			
304-BCTM-C	Brown Ceiling Tile Adhesive (Small	Brown Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0015	Peghole) - H21	Homogeneous			
335-BRBA-A	Brown Tackboard Adhesive - Rm 202	Brown Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0016		Homogeneous			
335-BRBA-B 351601318-0017	Brown Tackboard Adhesive - Rm 202	Brown Non-Fibrous		100% Non-fibrous (Other)	None Detected
	Drown Tool/boord	Homogeneous		100% Non fibrous (Other)	Nana Datastad
335-BRBA-C 351601318-0018	Brown Tackboard Adhesive - Rm 101	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
335-TBA-A	Tan Tackboard	Tan		100% Non-fibrous (Other)	None Detected
351601318-0019	Adhesive - Rm 101	Non-Fibrous Homogeneous			
335-TBA-B	Tan Tackboard Adhesive - Rm 101	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0020		Homogeneous			
335-TBA-C	Tan Tackboard Adhesive - Rm 202	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0021		Homogeneous			
320-EBM-A	Exterior Brick Mortar - East Side	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0022		Homogeneous			
320-EBM-B	Exterior Brick Mortar - West Side	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0023		Homogeneous			
320-EBM-C	Exterior Brick Mortar - North Side	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0024 404-GRF-A	Gray Roof Flashing -	Homogeneous Gray		92% Non-fibrous (Other)	8% Chrysotile
351601318-0025	South End Main Roof	Non-Fibrous Homogeneous			

(Initial Report From: 03/09/2016 14:28:55



EMSL Analytical, Inc.

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbes	tos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
404-GRF-B	Gray Roof Flashing - Access Hatch	Gray Non-Fibrous		92% Non-fibrous (Other)	8% Chrysotile
351601318-0026		Homogeneous			
404-GRF-C	Gray Roof Flashing - Ait Handler Roof	Gray Non-Fibrous		92% Non-fibrous (Other)	8% Chrysotile
351601318-0027	Hatch	Homogeneous			
404-BRF-A	Black Roof Flashing - South end Main Roof	Black Fibrous	15% Cellulose	85% Non-fibrous (Other)	None Detected
351601318-0028		Homogeneous			
404-BRF-B	Black Roof Flashing - 301 Roof	Black Fibrous	15% Cellulose	85% Non-fibrous (Other)	None Detected
351601318-0029		Homogeneous			
404-BRF-C	Black Roof Flashing - Air Handler Roof	Black Fibrous	15% Cellulose	85% Non-fibrous (Other)	None Detected
351601318-0030		Homogeneous			
408-BRTM-A-Fibrous Layer	Black/Brown Flatroof Cove - Main Roof	Gray Fibrous Homogeneous	90% Cellulose	10% Perlite	None Detected
351601318-0031					
408-BRTM-A-Flashing	Black/Brown Flatroof Cove - Main Roof	Black Fibrous	20% Cellulose	80% Non-fibrous (Other)	None Detected
351601318-0031A	Diook/Drown Flatna - f	Homogeneous	200/ 01	200/ Non fibrary (Other)	None Datasta I
408-BRTM-A-Flashing 2	Black/Brown Flatroof Cove - Main Roof	Black Fibrous	20% Glass	80% Non-fibrous (Other)	None Detected
	Block/Brown Eletroof	Homogeneous		100% Non fibrous (Other)	None Detected
408-BRTM-A-Tar 351601318-0031C	Black/Brown Flatroof Cove - Main Roof	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	Black/Brown Flatroof	Black	20% Cellulose	90% Non fibrous (Othor)	None Detected
408-BRTM-A-Flashing 3 351601318-0031D	Cove - Main Roof	Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Delected
408-BRTM-B-Flashing	Black/Brown Flatroof	Black	20% Glass	80% Non-fibrous (Other)	None Detected
351601318-0032	Cove - 301 Roof	Fibrous Homogeneous	2070 61055		
408-BRTM-B-Fibrous	Black/Brown Flatroof	Gray	90% Cellulose	10% Perlite	None Detected
Layer	Cove - 301 Roof	Fibrous Homogeneous			
351601318-0032A					
408-BRTM-B-Tar	Black/Brown Flatroof Cove - 301 Roof	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0032B		Homogeneous			
408-BRTM-B-Foam	Black/Brown Flatroof Cove - 301 Roof	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0032C		Homogeneous			
408-BRTM-C-Flashing	Black/Brown Flatroof Cove - Air Handler	Black Fibrous	20% Glass	80% Non-fibrous (Other)	None Detected
351601318-0033	Roof	Homogeneous			
408-BRTM-C-Tar	Black/Brown Flatroof Cove - Air Handler	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0033A	Roof	Homogeneous			
408-BRTM-C-Fibrous Layer	Black/Brown Flatroof Cove - Air Handler	Gray Fibrous	90% Cellulose	10% Perlite	None Detected
351601318-0033P	Roof	Homogeneous			
351601318-0033B 408-BRTM-C-Tar 2	Black/Brown Flatroof	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351601318-0033C	Cove - Air Handler Roof	Homogeneous			



EMSL Analytical, Inc. 14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924 http://www.EMSL.com / minneapolislab@emsl.com EMSL Order: 351601318 Customer ID: NOVA52 Customer PO: Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

		Non-Asbestos			Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре	
408-BRTM-C-Foam	Black/Brown Flatroof	Yellow		100% Non-fibrous (Other)	None Detected	
	Cove - Air Handler	Non-Fibrous				
351601318-0033D	Roof	Homogeneous				

Analyst(s)

Miles DelBusso (53)

Rachel Travis, Laboratory Manager or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 03/09/2016 14:28:55

Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

		•		
EMSL	AN	ALYI	IKCAL	., INC.

EMS

1318

PHONE: FAX:

		EMSL Customer ID:					
Street: 1107 Hazeltine	Blvd #400	······	City: ^{Chaska}		State/Provi	nce: ^{MN}	
Zip/Postal Code: 553	18 Countr	v.USA	Telephone #:		Fax #:		
Cilles Thermony Drive Manager 4 Field		Please Provide Results	: 🗌 Fax	Email			
Email Address: allas.thomps	son@novaconsulting.com	an energy	Purchase Order:				
			EMSL Project ID (Intern	al Use On	(v):		
U.S. State Samples T	aken: MN		CT Samples: Commercial/Taxable Residential/Tax Exempt				
			- If Bill to is Different note instruction from third		ments**		
			T) Options* – Please Che				
	Hour 🛛 🕅 24 Hour	48 Hour	72 Hour	96 Hour	1 Week		
*For TEM Air 3 hr through	6 hr, please call ahead to sci	hedule.*There is a prer	nium charge for 3 Hour TEM Al nce with EMSL's Terms and Co.	IERA or EP	A Level II TAT.	You will be asked to sign	
	f samples are from NY		4.5hr TAT (AHERA only)	TEM-Du		lical Price Guide.	
NIOSH 7400		AHERA 40 C			vac - ASTM E) 5755	
w/ OSHA 8hr. TW/	4	NIOSH 7402		_	- ASTM D648		
PLM - Bulk (reporting		EPA Level II		· ·		(EPA 600/J-93/167)	
PLM EPA 600/R-93					k/Vermiculite	· · · · · · · · · · · · · · · · · · ·	
PLM EPA NOB (<1	• •			_		• (0.25% sensitivity)	
Point Count	76)	TEM - Bulk	ND				
400 (<0.25%)	100 (ZO 494)		8.4 (non-friable-NY)			(0.1% sensitivity) (0.1% sensitivity)	
Point Count w/Gravime	• •	Chatfield SOF	· ·				
400 (<0.25%)					TEM CARB 435 - C (0.01% sensitivity)		
						•	
NYS 198.1 (friable	,	TEM - Water: El	Can not accept New York State Loose		Loose Fill Vermiculite Samples		
NYS 198.6 NOB (n	,	Fibers >10µm	Waste Drinking	<u>Other:</u>			
L NYS 198.8 SOF-V ■ NIOSH 9002 (<1%)		All Fiber Sizes	Waste	L_J			
Check For Positive	e Stop – Clearly Identify	y Homogenous G	roup Filter Pore Size (Air Sampl	es):/0.8	.ps 0.45µm	
Samplers Name:	ilas Thomas	lan	Samplers Signature:	Li	lat	6-2	
		<u></u>		Volume	Area (Air)	Date/Time	
Sample #		Sample Description	on	HA i	# (Bulk)	Sampled	
309-7am-A	Tan Corpet	Mustic -	Rm 102				
309-TCM-B,C	U	<u> </u>	Hall H12				
308-B18C-A	Black Unyl	Radecour + 4	lestre- Build				
308-BLBC-B	1		4-TA3 Batoon Hell				
308-818C-C	۵		18+ Fl. 103 Her'S Ken				
315-RCT-A,B,C	Red Caramic F	=T + Grat -	Main Entrence				
304-TCTM- A,6			arge Reghole)- H21				
Client Sample # (s):	301-70m - A		or-brim-c	Total # of	Samples:	33	
Relinquished (Client)	: Slas Thompso	- Date:	3/8/16		Time:	S:20pm	
Received (Lab):	By Silin	Date:	70 11		Time	Biod Am DB	
Comments/Special In	structions:		·				

Controlled Document - Asbestos COC - R9 - 10/30/2014

Page 1 of 2 pages

EMSL

EMSL ANALYTICAL, INC.

Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

1318

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PHONE: FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
364-Встм-А	Brown Ceily Tile Andheore (Smill peghole)-102		
304-Bctm-B	°- нј2		
304-BCTM-C	× 421		
335- BRBA-A,B	Brown Tackboard Adhesnu - Ru 202		
335-BEBA-	"- Rm 101		
335- TBA-AB	Ten Tack band Adhow - Rm 101		
375-TBA-C	11 11- Rin 202		
320- E BM- A	Exterior Brick Marter - East Side		
370-5Bm-B	" - West Side		
320- EBM - C	: i - Worth Stell		
404-GRF-A	Gray Roof Elashing - South End Man Kook		
404-GEF-B	" "- Access Hatch		
404-GRF-C	- A.v Handler Root Hanten		
lou-BRF-A	Black Root flighty - Sak and min Rook		
404-BRF-B	i i- Jol Rurot		
404-BRF-L	i 1- An Hudbrook		<u> </u>
408-BRTM-A	Black Brown Flotroof Cove - Man Root		
409-BRTM-B	i '- 301 Root		
log-BRAM-C	i i - Arr Hundlin Koot		··-

Page _____ of ____ pages

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Page 2 Of 2

APPENDIX E

CERTIFICATIONS



Issue Date: January 14, 2016 Expiration Date: January 14,2017

Diploma No.: BIRE-H16-0101-07

Nova Consulting Group, Inc.

Certifies that

Silas Thompson

Has attended and successfully completed the Asbestos Inspector Refresher Course presented in Chaska, Minnesota on

January 14, 2016

Course is in Accordance with Title II of TSCA, 40 CFR 763 (AHERA) and Permitted by the State of Minnesota under Minnesota Rules, parts 4620.3702 to 4620.3722

Br Meyn

Brian J. Meyer Course Director

Nova Consulting Group, Inc. - 1107 Hazeltine Boulevard, Suite #400 - Chaska, MN 55318 Telephone: (952) 448-9393 FAX: (952) 448-9572



Director, Env. Health Div.

Certified by: State of Minnesota Department of Health Expires: 01/14/2017 Silas M. Thompson 3651 Russell Ave N Minneapolis, MN 55412

No. AI12368 Issued: 01/22/2016

S-

APPENDIX F

PHOTOGRAPHS





1. View of the St. Paul Public Schools Facility located at 900 Albion Avenue in St. Paul, MN.



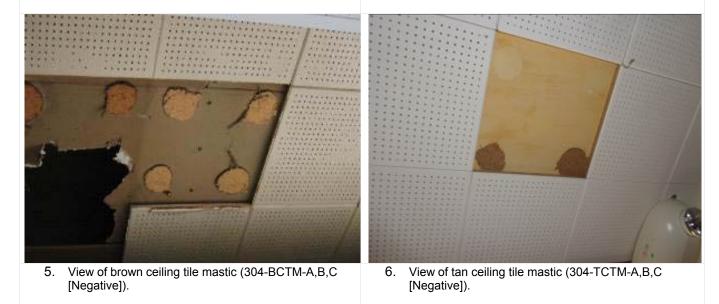
2. View of tan carpet mastic (309-TCM-A,B,C [Negative]).



3. View of black vinyl basecove and mastic (308-BLBC-A,B,C [Negative]).



4. View of red ceramic floor tile and grout (315-RCT-A,B,C [Negative]).







7. View of tan tack board adhesive (335-TBA-A,B,C [Negative]).



8. View of brown tack board adhesive (335-BRBA-A,B,C [Negative]).



9. View of exterior brick mortar (320-EBM-A,B,C [Negative]).



10. View of gray roof flashing material (404-GRF-A,B,C [POSITIVE]) present on each roof level.



11. View of black roof flashing (404-BRF-A,B,C [Negative])



12. View of roof core hole (408-BRTM-A,B,C [Negative]).





13. View of wall behind chalkboard. No mastic/adhesive present.



14. View of water main flange valve. No suspect insulation present.



15. View of circuit containing digital thermostat.



16. View of illuminated exit sign.



17. View of analog thermostat.



18. View of door closer.





19. View of circuit control panel.



20. View of light ballasts and fluorescent tube lights.



21. View of used fluorescent tube lights.



22. View of computer server hub unit.



23. View of computer.



24. View of WiFi router hub unit.





25. View of emergency flood light unit.



26. View of 3 modern boiler units and water heater.



27. View of exterior flood light unit.



28. View of fire extinguishers.



29. View of large air handler unit.