

June 3, 2014

Mr. Mike Williams
Knight, Bagge and Anderson, Inc
6 Thirteenth Street
Charlestown Navy Yard
Charlestown, MA 02129

Reference: **Asbestos Abatement Project**
Greater Lowell Technical High School

Dear Mr. Williams:

Thank you for providing Universal Environmental Consultants (UEC) the opportunity to serve your environmental needs.

Enclosed are the air samples results and daily logs for the asbestos abatement project at the Greater Lowell Technical High School. The scope of work included the removal of non-friable asbestos containing materials (ACM) transite panels listed in the asbestos remediation design using the full containment methods. The asbestos abatement project was performed on May 24-25 and May 30-June 1, 2014 by a Massachusetts licensed asbestos abatement contractor RM Technologies.

Background and general area air samples analysis performed during prepping and removal indicated airborne fiber concentrations were found to be lower than 0.10 Fibers/cc (f/cc) as required by the Environmental Protection Agency (EPA) 40CFR, Part 763 and by the Commonwealth of Massachusetts in 453 CMR.

Clearance air samples analysis once all ACM were removed and visual inspections were performed by the Massachusetts licensed project monitors indicated airborne fiber concentrations were found to be lower than 0.010 Fibers/cc (f/cc) as required by the EPA 40CFR, Part 763 and by the Commonwealth of Massachusetts in 453 CMR.

The air samples were collected by Massachusetts licensed project monitors Mr. Jason Becotte (AM-034107) and Mr. Luigi Marangeillo (AM-900461). The air samples were analyzed by a Massachusetts licensed project monitor Mr. Jason Becotte (AM-034107) using Phase Contrast Microscopy (PCM) in accordance with NIOSH Method 7400.

PCM analysis is a technique used for determinations of airborne particulate aerosols like dust characterizations and enumeration of airborne asbestos fibers. An air sample for PCM analysis is collected on a filter medium which is dissolved during sample preparation so that the collected particulate can then be viewed under the microscope.

PCM is often used for analysis of samples for airborne asbestos fibers. The sample is collected on a mixed cellulose ester membrane (MCEM) filter with a 0.8 mm (micron) pore size. MCEM filter is then cleared with a chemical solution and the collected fibers are counted under the 400X magnification. **All fibers** (regardless of the type) longer than 5 mm, wider than 0.25 mm and of aspect ratio of 3:1 or greater are enumerated. The airborne fiber concentration is obtained from the microscopic count and air sampling data. Therefore all fibers that meet the counting criteria are counted as asbestos fibers.

All asbestos abatement activities were performed in accordance with federal and state regulations using state of the art containment enclosures that are usually used during removal of friable ACM.

Please forward to the school for inclusion into the AHERA Plan.

Please do not hesitate to call our office if you have any questions.

Very truly yours,

Universal Environmental Consultants



Ammar M. Dieb
President

UEC:\214 075\Results0603.DOC

Enclosure

AIR SAMPLING DATA SHEET

Date: 5-24-14 Project Number: 21A075.00 Project Location: GLTHS Tyngsboro
 Work Area: 1327 → 1327 Contractor: Rm Tech
 Project Monitor Name: Jason Beattie License Number: A4034107 Type of Sampling: Pcm
 Project Monitor Signature: Jason Beattie Samples Analysis By: Jason Beattie

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm ²)	Concentration (F/CC)
						Start	Stop Ave.				
1	G	Hall @ 1327	0938	1130	112	13.5	13.5	1512	10/100	12.74	.0033
2	G	Hall @ 1323	0945	1132	107	13.8	13.5	1455	6/100	7.64	.0020
3	G	Hall @ 1327	1130	1401	151	13.5	13.5	2039	11/100	14.01	.0026
4	G	Hall @ 1323	1132	1403	151	13.5	13.5	2039	9/100	11.46	.0022
5	C	In 1327 Containment	1512	1647	95	14.0	14.0	1330	18/100	22.93	.0066
6	C		1513	1647	94	13.5	13.5	1269	16/100	20.38	.0062
7	C		1513	1648	95	13.0	13.2	1245	19/100	24.20	.0075
8	C		1514	1649	95	13.8	13.6	1292	12/100	15.29	.0046
9	C	In 1327 Containment	1515	1649	94	13.5	13.5	1269	20/100	25.48	.0077
10	C	In 1324/1323 Containment	1618	1746	88	14.0	13.7	1706	17/100	21.66	.0069

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

1: I certify that the above samples were collected in accordance with all applicable guidelines.
 2: I certify that the above samples were analyzed in accordance with all applicable guidelines.

AIR SAMPLING DATA SHEET

Date: S-2A-1A Project Number: 214075.00 Project Location: GLTHS Tyngsboro
 Work Area: 1321-1327 Contractor: Rm Tech License Number: Amc34107 Type of Sampling: PCM
 Project Monitor Name: Jason Beebe Samples Analysis By: Jason Beebe
 Project Monitor Signature: [Signature]

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm ²)	Concentration (F/CC)
						Start	Stop Ave.				
11	C	In 1324/1323 containment	1618	1747	89	138	138	1228	11/100	14.01	.0044
12	C		1618	1748	90	138	136	1224	21/100	26.75	.0084
13	C		1619	1748	89	13.0	13.0	1157	18/100	22.93	.0076
14	C	In 1324/1323 containment	1619	1749	90	13.5	13.5	1215	20/100	25.48	.0081
15	-	Blank							0/100	0	<LOD
16	-	Blank							0/100	0	<LOD

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

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AIR SAMPLING DATA SHEET

Date: S-25-14 Project Number: 214075.00 Project Location: GLTHS Tyngsboro
 Work Area: Nurse 1321-1327 Contractor: RmTech
 Project Monitor Name: Jason Beotte License Number: A2034107 Type of Sampling: PCM
 Project Monitor Signature: [Signature] Samples Analysis By: Jason Beotte

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm ²)	Concentration (FCC)
						Start	Stop Ave.				
1	C	In Nurse containment	0809	0948	99	13.5	13.5	1337	10/100	12.74	.0037
2	C		0810	0949	99	14.2	14.1	1396	8/100	10.19	.0028
3	C		0811	0949	98	14.0	14.0	1372	11/100	14.01	.0039
4	C		0811	0950	99	13.5	13.3	1317	13/100	16.56	.0048
5	C	In Nurse Containment	0812	0951	99	13.8	13.6	1346	12/100	15.29	.0044
6	C	In 1321 Containment	1009	1132	83	13.5	13.5	1121	7/100	8.92	.0031
7	C		1010	1133	83	13.9	13.6	1128	6/100	7.64	.0026
8	C		1016	1133	83	13.0	13.0	1079	10/100	12.74	.0045
9	C		1011	1134	83	14.0	13.7	1137	5/100	6.37	<LOD
10	C	In 1321 Containment	1011	1134	83	13.2	13.1	1087	3/100	3.82	<LOD

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

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AIR SAMPLING DATA SHEET

Date: S-25-14 Project Number: 214075.00 Project Location: GLTHs Tyngsboro
 Work Area: 1321 → 1327 Contractor: RnTech
 Project Monitor Name: Jason Beate License Number: Au034107 Type of Sampling: PCM
 Project Monitor Signature: [Signature] Samples Analysis By: Jason Beate

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm²)	Concentration (F/CC)
						Start	Stop Ave.				
11	C	In 1322 container	1136	1308	92	14.0	13.5 13.7	1260	7/100	8.92	.0027
12	C		1137	1308	91	13.5	13.5 13.5	1229	12/100	15.29	.0048
13	C		1137	1309	92	13.5	13.5 13.5	1242	15/100	19.11	.0059
14	C		1138	1310	92	13.8	13.5 13.6	1251	10/100	12.74	.0039
15	C	In 1322 container	1138	1310	92	14.0	14.0 14.0	1288	9/100	11.46	.0034
16	-	Blank							0/100	0	<LOD
17	-	Blank							0/100	0	<LOD

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

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AIR SAMPLING DATA SHEET

Date: 5/30/14 Project Number: 214075.00 Project Location: GLTHS Tyngsboro
 Work Area: Auto Mechanical / Auto Body Contractor: BM TECH
 Project Monitor Name: Luigi Mangiello License Number: AMP00061 Type of Sampling: PCM
 Project Monitor Signature: [Signature] Samples Analysis By: Jason Beette

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm ²)	Concentration (F/CC)
						Start	Stop Ave.				
01	B	Auto Mechanical	412	558	106	14	14	1484	9	5.10	<LOD
02	B	Auto Body	415	600	105	14	13.5	1444	2	2.54	<LOD
03	B	Auto Mechanical	558	744	106	14	14	1484	8	10.19	.0026
04	B	Auto Body	600	746	106	14	14	1484	6	12.74	.0033
05	B	Auto Mechanical	744	920	96	14	13.5	1320	12	15.29	.0045
06	B	Auto Body	746	923	97	14	13.5	1334	8	10.19	.0029
07	B	FIELD BLANK	-	-	-	-	-	-	0	0	<LOD
08	B	SEALED BLANK	-	-	-	-	-	-	0	0	<LOD

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

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AIR SAMPLING DATA SHEET

Date: 5/31/14 Project Number: 214075.00 Project Location: GUTHS Tyngsboro
 Work Area: AUTO GARAGE + CONNECTING ROOMS Contractor: RM TECH
 Project Monitor Name: Luigi Marinelli License Number: AM900461 Type of Sampling: PCM
 Project Monitor Signature: [Signature] Samples Analysis By: Jason Beate

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm ²)	Concentration (F/CC)
						Start	Stop Ave.				
01	B	0/S Room 1407	905	1053	108	14	13.5	1485	4.00	5.10	<LOD
02	B	0/S Mens Bathroom	908	1034	106	14	13.5	1431	6.00	7.64	0.0021
03	B	0/S Room 1407	1053	1243	110	14	14	1540	17.00	21.66	0.0054
04	B	0/S Mens Bathroom + Rm 1421	1054	1244	110	14	13.5	1513	11.00	14.01	0.0036
05	B	0/S Room 1407	1243	225	102	14	13.5	1403	15.00	19.11	0.0052
06	B	0/S Mens Bathroom + Room 1421	1244	226	102	14	14	1428	13.00	16.56	0.0045
07	B	SEALED BLANK	-	-	-	-	-	-	0.00	<LOD	0.00
08	B	FIELD BLANK	-	-	-	-	-	-	0.00	<LOD	0.00
09											
10											

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

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AIR SAMPLING DATA SHEET

Date: 6/1/14 Project Number: 214075.00 Project Location: GLHS Tyngsboro
 Work Area: Auto Garage, Room # 1303, 1407, 1501 Contractor: RMTECH
 Project Monitor Name¹: Luigi Merzagallo License Number: AM900461 Type of Sampling: PCM
 Project Monitor Signature: [Signature] Samples Analysis By²: Jason Beebe

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm ²)	Concentration (F/CC)
						Start	Stop Ave.				
01	C	Auto MECH	1202	134	92	14	14	1288	14/100	17.83	.0053
02	C	Auto MECH	1204	136	92	14	14	1288	20/100	25.48	.0076
03	C	Auto Body	1205	137	92	14	13	1242	18/100	22.93	.0071
04	C	Auto Body	1207	138	91	14	13	1229	15/100	19.11	.0060
05	C	Auto Body	1208	139	91	14	14	1274	17/100	21.66	.0065
06	C	ENGINE/Auto Tech	1208	140	92	14	13	1265	11/100	14.01	.0043
07	C	ENGINE/Auto Tech	1209	140	91	14	14	1274	22/100	28.03	.0085
08	C	Room # 1303	151	330	99	14	13	1362	10/100	12.74	.0036
09	C	Room # 1407	153	332	99	14	13	1337	8/100	10.19	.0029
10	C	Room # 1501	156	333	97	14	14	1358	17/100	21.66	.0061

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

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AIR SAMPLING DATA SHEET

Date: 6/1/14 Project Number: 214075100 Project Location: GLHS Tyngsboro
 Work Area: Garage (Auto) Room # 1503, 1504, 1601 Contractor: BM Tech
 Project Monitor Name: _____ License Number: _____ Type of Sampling: PCM
 Project Monitor Signature: _____ Samples Analysis By: Jason Beebe

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates		Volume (Liters)	Fibers/Field	Distribution (F/mm ²)	Concentration (F/CC)
						Start	Stop				
11	C	Room # 1503	188	334	96	14	135	1320	23	29.30	.0085
12	C	Room # 1504	206	335	95	14	14	1330	18	22.93	.0066
13	C	Room # 1601	202	336	94	14	14	1316	8	10.19	.0030
14	B	FIELD BLANK	-	-	-	-	-	-	C	C	LL00
15	B	SEALED BLANK	-	-	-	-	-	-	C	C	LL00

Type: B: Background; G: General Area; C: Clearance.
 Flow Rates: PCM: Up to 16; TEM: Up to 9.5.
 Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD
 Type of Sampling: PCM or TEM.

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RESIDENT'S DAILY REPORT

Date: 5-24-14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RN Tech

Project Monitor Name: Jason Beotte

License Number: A11034107

Daily Progress:

0745 Prepping 1327, nurse, 1324 and 1323, now moving items to middle of room and polyging over. Polyging all lights and vents. Covering walls under transite. Polyging over floor.

0900 setting up decon for 1327 and negative air. Continuing to prep nurse, 1324/1323 and 1323A.

1000 Finished prep of 1327. Decon set up and negative air running. Signs in place and water run to containment. all surfaces covered in poly. covered lights and hanging items. sealed vents. Continuing prep of remaining rooms. Started removal of transite in 1327. Unscrewing panels and lowering to wrap in poly.

1130 Finished prep of 1324/1323. all surfaces covered and criticals sealed. Negative air running and decon set up. water run to containment. Crew taking lunch now then starting removal in 1324/1323.

1215 Finished bulk removal in 1327. Loading all waste out now then starting final cleaning.

(Cont)

RESIDENT'S DAILY REPORT

Date: 5-24-14

Location: GLTHS Tyngsboro

Project Number: 21407500

Contractor: RN Tech

Project Monitor Name: Jason Bewte

License Number: A4034107

Daily Progress:

(Cont)

1345 Finished loading out waste from 1327. First visual inspection failed. need to wipe all pipes and duct work at ceiling level down to remove dust. Wiping down now. continuing removal in 1324/1323 and loading out waste when wrapped.

1515 Finished recleaning 1327. all surfaces in containment wiped down. Visual inspection passes. Running PCM air clearance now.

1615 Finished removal and cleaning in 1324/1323. all waste loaded out of containment. Wiped down all surfaces in containment. vacuumed and cleaned all wood tracks remaining on walls. Visual inspection passes. Running PCM clearance now. Removing transit in nurse now and setting up in 1322 for removal tomorrow.

1730 Finished removal and cleaning in nurse. need to re wipe and clean floor. Prepping 1321 for removal tonight.

(Cont)

RESIDENT'S DAILY REPORT

Date: S-24-14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RN Tech

Project Monitor Name: Jason Beuthe

License Number: 44034107

Daily Progress:

(cont)

1815 Finishing last of prep in 1321 now. Sealing HVAC and lights. Negative air running. Decon set up. Covering last of floor area. Re-cleaned nurse floor. Visual passed. Washed and wiped all surfaces and vacuumed wood tracks. will run PCM clearance tomorrow.

Starting removal of transite in 1321 once last area sealed.

1915 Finished bulk removal from 1321. will load out waste and final clean tomorrow. Crew packed up and heading off site now.

RESIDENT'S DAILY REPORT

Date: 5-25-14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RM Tech

Project Monitor Name: Jason Beotte

License Number: 42034107

Daily Progress:

0815 Running PCM clearance in nurse now. Visual passed yesterday. Part of crew cleaning in 1321 now. Waste loaded out into plastic until truck arrives. Vacuuming all wood strapping and washing all surfaces. Finishing prep of 1322. Building critical walls and sealing all areas and surfaces inside. Covering and sealing all fixed items.

0945 Finished cleaning in 1321. all surfaces washed and vacuumed. Visual inspection passes. Finished prep of 1322. Started removal of all accessible transite panels. Unscrewing and wrapping whole piece. Running 1321 PCM clearance. Crew tearing down containment in 1327 now. Bagging all poly and loading out wastes.

1115 Finished removal in 1322. washed and vacuumed all surfaces inside containment. Visual inspection passes. will run PCM clearance soon. crew tearing down containments in nurse and 1324/1323. Bagging up all poly. Moving furniture back into position and checking for cleanliness.

(Cont)

RESIDENT'S DAILY REPORT

Date: 5-25-14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: Rntech

Project Monitor Name: Jason Beutte

License Number: 4M034107

Daily Progress:

(cont)

1330 all PCM air clearances passed. Tearing down last of all containments now Bagging all poly. Vacuuming on top of lights after plastic is removed. moving all furniture back into position and re wiping after poly is removed. Loading all waste into truck. Loading all equipment into truck.

1500 crew packing up and heading off site. all containments torn down. all furniture moved back to positions.

Wiped all student and teacher desks clean. Vacuumed on top of all lights after poly was removed.

RESIDENT'S DAILY REPORT

Date: 5/30/14

Location: ~~42000~~ GLTHS Tyngsboro

Project Number: 214075.00

Contractor: BM Tech

Project Monitor Name: Luigi Marenquello

License Number: AMA000461

Daily Progress:

330: I Arrive on site, workers from BM Tech have not yet arrived to set up containment which will encompass the machine shop directly across from area which was abated last weekend. I will be running Backgrounds shortly once workers show up to site and begin to construct CONTAINMENT.

400: Workers have arrived on site, they will be working in Auto Body Area instead of Classroom, they have begun to set up poly covering all criticals as well as bringing HEPA's into area to be abated.

430: I begin running my Background air samples BOTH in Auto Body garage, and BOTH AT 14 LPM.

510: Workers are still prepping criticals and windows in Auto Body and Auto Mechanical Garages as well as covering furniture and criticals in classrooms off to side of garages, there are currently 5 workers on site, and 6 HEPA's.

600: I pull and replace my Background samples.

RESIDENT'S DAILY REPORT

Date: 5/30/14

Location: GLHS Tynnsboro

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: Luigi M. ANGIELLO

License Number: AM900461

Daily Progress:

Workers are still prepping in the CLASSROOMS CONNECTED TO AUTO BODY AND AUTOMECHANICAL GARAGES, about 1/4 of windows have been poly'd furniture in 1303 is covered BUT walls have not been completed yet.

630: Workers are still prepping walls inside of the CLASSROOMS, 1303, 1501 they are also moving furniture in OTHER CLASSROOMS IN THE CONTAINMENT.

700: Workers ARE STILL FOCUSING ON PREP OF CLASSROOMS

745: I pull my second set of BACKGROUND CARTRIDGES AND REPLACE WITH MY THIRD SET

830: Workers ARE STILL prepping the containment putting up walls of Poly in the ~~garage~~ garage room 1303 and 1501 are complete windows are about 50% complete.

930: I pull my third AND FINAL SET OF Pumps for the night

RESIDENT'S DAILY REPORT

Date: 5/30/14

Location: GLTHS Tynesboro

Project Number: 24075.00

Contractor: RM Tech

Project Monitor Name: Luigi MARRANGIOLLO

License Number: AM900461

Daily Progress:

Workers are still putting up poly inside of the containment, workers now TAKE DINNER BREAK.

1030: All windows are now covered with poly as well as most walls and floor BENEATH TRANSITE PANELING THAT IS SCHEDULED TO BE REMOVED.

11:00: WORKERS ARE DONE FOR THE NIGHT AND LEAVE SITE

RESIDENT'S DAILY REPORT

Date: 5/31/14

Location: GLHS Tyngsboro

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: Luigi Manganello

License Number: AM900461

Daily Progress:

8:00 AM: I ARRIVE ON SITE, WORKERS FROM RM TECH ARE HERE AND ARE STILL DOING PREP FOR THEIR CONTAINMENT, THEY HAVE COVERED ~~ARE~~ ALL CARS IN THE AUTO GARAGE AND ALL WINDOWS HAVE ALSO BEEN PREPPED, HEPAS HAVE BEEN PUT IN PLACE BUT ARE NOT RUNNING YET, THE 3 CHAMBER DECON HAS ALSO BEEN ERECTED, WALLS ARE ABOUT 80% COVERED ALSO, AND ALL CLASSROOMS HAVE BEEN COMPLETELY PREPPED WITH THE EXCEPTION OF ROOM 1501, ALL SIGNS HAVE ALSO BEEN POSTED AT ENTRANCE TO DECON AND DOORS IN SCHOOL HALLWAY EXCEPT DOOR 1300, BUT SIGN WILL BE UP PRIOR TO REMOVAL COMMENCING

9:10: I SET UP MY FIRST SET OF BACKGROUND CARTRIDGES FOR THE DAY AND RUN THEM IN THE HALLWAY ~~AND~~ OUTSIDE ROOM 1407 AND THE MENS BATHROOM ACROSS FROM ROOM 1421

9:30: WORKER ARE STILL PREPPING CONTAINMENT

RESIDENT'S DAILY REPORT

Date: 5/31/14

Location: GLHS Tyngsboro

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: Luigi Maranzello

License Number: AM900461

Daily Progress:

THEY HAVE NOW COVERED ALL GARAGE DOORS WITH POLY, HEPAS ARE NOT YET RUNNING BUT THEY HAVE ALL BEEN SET UP

1030: Prep is now complete, they will now BEGIN REMOVAL OF TRANSITE PANELING,

ALL HEPAS INSIDE CONTAINMENT ARE NOW RUNNING.

1045: Workers TAKE BREAK BEFORE STARTING WITH REMOVAL OF TRANSITE PANELING,

1050: I REMOVE FIRST SET OF background cartridges and replace with second set

1100: Workers HAVE STARTED REMOVING TRANSITE PANELING AGAINST WALL IN AUTO BODY AREA NEAR ROOM 1303,

THEY ARE REMOVING PANELS FULLY INTACT BY UNSCREWING

1145: All TRANSITE PANELING HAS BEEN

REMOVED FROM WALLS IN ROOM 1303 AND THEY are 90% complete with outer wall on opposite side of AUTO MECHANICAL GARAGE THEY HAVE ALSO BEGUN REMOVAL IN ENGINE Room at opposite side of garage and are

RESIDENT'S DAILY REPORT

Date: 5/31/14

Location: GLTHS Tyngsboro

Project Number: 214075100

Contractor: RM TECH

Project Monitor Name: Luigi M. Manganelli

License Number: AM900461

Daily Progress:

about 33% Done with removal from walls of Area.

1200: Workers take lunch BREAK

1245: WORKERS RETURN FROM LUNCH I ALSO pull my second set of BACKGROUND cartridges and replace with my third set.

200: Workers are done with wall on opposite side of Room 1303 and HAVE STARTED ON WALL CONNECTING AUTO MECHANICAL + AUTO BODY GARAGE, THEY ARE ALSO 100% done with the engine ROOM, THEY HAVE ALSO STARTED ON THE CONNECTING DOOR ON THE OPPOSITE SIDE OF THE ENGINE ROOM AND IN CLASSROOM 1503

230: I pull my third set of BACKGROUND CARTRIDGES FOR THE DAY.

315: WORKERS ARE 90% DONE WITH WALL CONNECTING AUTO BODY TO AUTO MECHANICAL GARAGE

RESIDENT'S DAILY REPORT

Date: 5/31/14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: LUIGI MARANGIOLA

License Number: Am900441

Daily Progress:

WORKERS HAVE ALSO STARTED ON upper wall closest to the street

415: Workers are about 50% Done on separating wall on auto Body side of the garage.

500: Workers are 100% Done with Auto Mechanical wall on side of GARAGE DOORS AND HAVE STARTED ON THE AUTO BODY SIDE THEY HAVE REMOVED 20 panels on this wall.

600: Workers HAVE FINISHED ENTIRE WALL ON SIDE FACING THE STREET, THEY HAVE ALSO COMPLETED ROOM 1503 AND HAVE JUST BEGUN Room 1501 + 1406

645: Room 1603 is now completed- removed of its transite panels AND READY FOR FINAL CLEANING

715: WALL ON OPPOSITE SITE OF CLASSROOM IS COMPLETELY REMOVED OF TRANSITE AND IS READY FOR FINAL CLEANING

RESIDENT'S DAILY REPORT

Date: 5/31/14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RM Tech

Project Monitor Name: Livia Marangello

License Number: AM900461

Daily Progress:

740: Workers are done removing transite panels from auto body side of connecting wall to auto mechanical garage and are ready for final cleanup in that section

900: Room 1503 is complete and ready for final cleaning, 1501 is still in the process of removal

1000: Workers are still working on final two classrooms, they are also sweeping and bagging up any loose debris left over the entire garage, they have all other transite panels removed from walls.

1100: They have finished removing panels in room 1501 and have begun picking up any loose debris inside the classroom.

1130: Workers are cleaning entire area, they ~~do~~ will not finish until tomorrow, but all that is left is final cleaning before final visual will be performed

1200: Workers leave site,

RESIDENT'S DAILY REPORT

Date: 6/1/14

Location: GLHS Tyngsboro

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: Luigi Marangello

License Number: AM900461

Daily Progress:

8:15: 1 ARRIVE ON SITE, WORKERS FROM RM TECH ARE LOADING BAGS INTO THE TRUCK, AND ALSO DOING FINAL CLEANING, THEY ARE STARTING IN ENGINE ROOM AND MOVING DOWN TO AUTO BODY, AND AUTO MECHANICAL GARAGE WHILE CLEANING CLASSROOMS ALSO AS THEY WORK THEIR WAY DOWN

9:00: WORKERS ARE STILL LOADING BAGS INTO TRUCK ONCE TRUCK IS COMPLETELY LOADED ~~AND~~ THEY WILL BE ABLE TO ALL WORK ON FINAL CLEANING TOGETHER

1:00: WORKERS HAD TO REMOVE A PIECE OF POLY ON WALL ON OPPOSITE SIDE OF CLASSROOM DUE TO HAVING TO CLEAN TRANSITE THAT HAD FALLEN BEHIND IT, BAGS ARE ABOUT 50% LOADED INTO TRUCK

11:00: WORKERS ARE STILL WORKING ON FINAL CLEANING OF ALL THE AREAS AS WELL AS LOADING THE TRUCK

11:30: TRUCK LEFT TO GO UNLOAD AT OFFICE DUE TO IT BEING FILLED TO COMPASSITY WORKERS WILL CONTINUE CLEANING AND BAGGING

RESIDENT'S DAILY REPORT

Date: 6/1/14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: Luigi Yranganillo

License Number: AM900461

Daily Progress:

1200: Workers are done cleaning and mopping and I perform a final visual, which they pass and I now begin running PCMs for final air clearance, I will be running 4 combined PCMs for the 3 large garage areas and one for each classroom this was due to it all being considered one containment

140: I pull all PCMs from large garage areas, and move pumps into classrooms and begin running PCMs for each room for final air clearance

340: I ~~pull~~ pull all PCMs from class room, I give all cartridges to Jason Becotte to be read for final air clearance.

410: All samples have been read, and they have passed FAC for all areas and may begin to tear down containment

PRE-REMOVAL VERIFICATION CHECK LIST

Date: 5-24-14

Location: GLTHS Tyngsboro

Project Number: 21A075.00

Contractor: Rm Tech

Project Monitor Name: Jason Beotte

License Number: Am 039107

Supervisor Name: Ruben Fuentes

License Number: _____

ITEM	YES/NO	Comments
Electrical Locked Out	NO	
HVAC Locked Out	NO	all vents 2x poly
Items Removed	NO	covered with poly
Critical Barriers Installed	Yes	
Area Cleaned Prior to Poly	Yes	
Negative Air	Yes	
Decontamination Unit	Yes	
Signs in Place	Yes	
Exits Marked	Yes	
Contractor's Logs	Yes	
State Regulations	Yes	

List Names and License Number of Workers:

Arulfo Martinez
Lisandro Martinez
Elisaur A Marte
Brunilda Tineo
Andres Sora
Manny Almonte

Derek Warshafky
Francis Garcia
Benny Garcia } non ACM

PRE-REMOVAL VERIFICATION CHECK LIST

Date: 5/31/14 Location: GLTHS Tynarboro
 Project Number: 214075.00 Contractor: PM TECH
 Project Monitor Name: Luigi MARIANGHELLO License Number: AM900461
 Supervisor Name: RICH LEONE License Number: AW000999

ITEM	YES/NO	Comments
Electrical Locked Out	Yes	
HVAC Locked Out	Yes	
Items Removed	Yes No	Covered with Poly
Critical Barriers Installed	Yes	
Area Cleaned Prior to Poly	Yes	
Negative Air	Yes	
Decontamination Unit	Yes	
Signs in Place	Yes	
Exits Marked	Yes	
Contractor's Logs	Yes	
State Regulations	Yes	

List Names and License Number of Workers:

RICH LEONE AW000999 BARTOLO MUNOZ
HABELITO HERNANDEZ AW007891 ✓ YISSON BIER AW008157
JUAN JIMENEZ AW031409 ORLANDO VARGAS
BRUNILDA TINOCO AW003688 ✓ Luis Guzman
AMANDO CASTILLO AW004420
LISANNO MARTINEZ (ANULFO) AW033632
Derek Warshtafsky
HILARIO GOMEZ AW005108
ANDRES & LORA AW935913

PRE-REMOVAL VERIFICATION CHECK LIST

Date: 5/30/14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RM Tech

Project Monitor Name: Luigi Morandino

License Number: AMR00461

Supervisor Name: _____

License Number: _____

ITEM	YES/NO	Comments
Electrical Locked Out		
HVAC Locked Out		
Items Removed		
Critical Barriers Installed		
Area Cleaned Prior to Poly		
Negative Air		
Decontamination Unit		
Signs in Place		
Exits Marked		
Contractor's Logs		
State Regulations		

List Names and License Number of Workers:

RUBEN D FUENTES
ADULFO MARTINEZ
FRANCIS GARCIA
BRUNILDA DINEO
Zindrey Fojal R
USABO MARTINEZ

PRE-REMOVAL VERIFICATION CHECK LIST

Date: 6/1/14

Location: GLTHS Tyngsboro

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: Luigi MARANGIELLO

License Number: AMA00461

Supervisor Name: RUBEN FUENTAS

License Number: AS061744

ITEM	YES/NO	Comments
Electrical Locked Out		
HVAC Locked Out		
Items Removed		
Critical Barriers Installed		
Area Cleaned Prior to Poly		
Negative Air		
Decontamination Unit		
Signs in Place		
Exits Marked		
Contractor's Logs		
State Regulations		

List Names and License Number of Workers:

H ABELITO Hernandez
FRANCIS GARCIA
Luis Giralan
Andres Luna AW935913
RUBEN D FUENTAS AS061744
BRUNILDA JONEO AW005888
ORLANDO VARGAS AW033156

FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: 5-24-14

Site Name: GLTHS Tyngsboro

Containment Location: 1327

Project Number: 214075.00

Contractor: RM Tech

Project Monitor Name: Jason Beotte

License Number: A2034107

Project Monitor Signature: *Jason Beotte*

Supervisor Signature: *Elisavil A marte*

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	N/A	
Debris Removed	Yes	
Poly Removed	no	
Area Cleaned after Removal of Poly	N/A	
Area Dry	Yes	
Visual Pass or Fail	Pass	
Re-Clean Done	Yes	needed to wipe all items @ ceiling level
Waste Double Bagged	Yes	
Air Sampling Performed	Yes	
Air Sampling Pass or Fail	Pass	
Final Visual after Pass of Air Sampling	Yes	
Contractor's Logs Signed	Yes	

This form must be completed for each work area.

FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: S-24-14

Site Name: GLTHS Tyngsboro

Containment Location: 1324/1323

Project Number: 214075.00

Contractor: Rm Tech

Project Monitor Name: Jason Blatte

License Number: A2034107

Project Monitor Signature: [Signature]

Supervisor Signature: Elisaul A marte

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	N/A	
Debris Removed	Yes	
Poly Removed	No	
Area Cleaned after Removal of Poly	N/A	
Area Dry	Yes	
Visual Pass or Fail	Pass	
Re-Clean Done	N/A	
Waste Double Bagged	Yes	
Air Sampling Performed	Yes	
Air Sampling Pass or Fail	Pass	
Final Visual after Pass of Air Sampling	Yes	
Contractor's Logs Signed	Yes	

This form must be completed for each work area.

FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: S-24-14

Site Name: GLTHS Tyngsboro

Containment Location: Nurse

Project Number: 214075.00

Contractor: RmTech

Project Monitor Name: Jason Bewick

License Number: 42034107

Project Monitor Signature: [Signature]

Supervisor Signature: [Signature]

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	N/A	
Debris Removed	yes	
Poly Removed	no	
Area Cleaned after Removal of Poly	N/A	
Area Dry	yes	
Visual Pass or Fail	Pass	
Re-Clean Done	N/A	
Waste Double Bagged	yes	
Air Sampling Performed	yes	
Air Sampling Pass or Fail	Pass	
Final Visual after Pass of Air Sampling	yes	
Contractor's Logs Signed	yes	

This form must be completed for each work area.

FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: 5-25-14

Site Name: GLTHS Tyngsboro

Containment Location: 1321

Project Number: 214075.00

Contractor: RnTech

Project Monitor Name: Jason Beotte

License Number: 4no34107

Project Monitor Signature: J Beotte

Supervisor Signature: Isaiah A marte

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	N/A	
Debris Removed	Yes	
Poly Removed	NO	
Area Cleaned after Removal of Poly	N/A	
Area Dry	Yes	
Visual Pass or Fail	Pass	
Re-Clean Done	N/A	
Waste Double Bagged	Yes	
Air Sampling Performed	Yes	
Air Sampling Pass or Fail	Pass	
Final Visual after Pass of Air Sampling	Yes	
Contractor's Logs Signed	Yes	

This form must be completed for each work area.

FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: S-25-14

Site Name: GLTHS Tyngsboro

Containment Location: 1372

Project Number: 214075.00

Contractor: Rm Tech

Project Monitor Name: Jason Beotte

License Number: A034107

Project Monitor Signature: [Signature]

Supervisor Signature: [Signature] Amante

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	N/A	
Debris Removed	Yes	
Poly Removed	no	
Area Cleaned after Removal of Poly	N/A	
Area Dry	Yes	
Visual Pass or Fail	Pass	
Re-Clean Done	N/A	
Waste Double Bagged	yes	
Air Sampling Performed	yes	
Air Sampling Pass or Fail	Pass	
Final Visual after Pass of Air Sampling	Yes	
Contractor's Logs Signed	yes	

This form must be completed for each work area.

FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: 6/1/14

Site Name: GLHS Tyngsboro

Containment Location: AUTO Garage + CLASSROOMS

Project Number: 214075.00

Contractor: RM TECH

Project Monitor Name: LUIGI MARANGIERLO

License Number: AM900461

Project Monitor Signature: [Signature]

Supervisor Signature: [Signature]

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	Yes	
Debris Removed	Yes	
Poly Removed	Yes	
Area Cleaned after Removal of Poly	Yes	
Area Dry	Yes	
Visual Pass or Fail	PASS	
Re-Clean Done	NO	
Waste Double Bagged	Yes	
Air Sampling Performed	Yes	
Air Sampling Pass or Fail	PASS	
Final Visual after Pass of Air Sampling	YES	
Contractor's Logs Signed	YES	

This form must be completed for each work area.

DAILY VERIFICATION CHECK LIST

Date: 5-25-14

Location: GLTHS Tyngsboro

Project Number: 214075.00


Contractor: RM Tech

Project Monitor Name: Jason Beotte

License Number: Am034107

Supervisor Name: Elisav A mart

License Number: AS901016

Supervisor Signature: 

List of Quantities of ACM Removed per Work Area:

1327

246 SF of Transite and FG batting

1324/1323

980 SF of transite and FG batting

nurse

360 SF of transite and FG batting

1322

510 SF of transite and FG batting

1321

400 SF of transite and FG batting

DAILY VERIFICATION CHECK LIST

Date: 6/11/14
~~5/30/14~~

Location: GLHS Lymeboro

Project Number: 214075.00

Contractor: BIM TECH

Project Monitor Name: WIGI MARANGIELLO

License Number: AM900461

Supervisor Name: RUBEN FUENTAS

License Number: AS601771

Supervisor Signature: 

List of Quantities of ACM Removed per Work Area:

TRANSITE PANELING = 14,500 SF, 10 AUTO
GARAGE AREA AND CLASSROOM ON OPPOSITE
SIDE OF DIVIDING WALL