### Hazardous Materials Building Assessment

September 16-19 and 22, 2014 1 King Place Meriden, CT

### City of Meriden

Meriden, CT

November 4, 2014



Fuss & O'Neill EnviroScience, LLC 146 Hartford Road Manchester, CT 06040



November 4, 2014

Ms. Juliet Burdelski Director of Economic Development City of Meriden 142 East Main Street, Rm 217 Meriden, CT 06450

### Re: Hazardous Materials Building Assessment-Former Veteran's Memorial Hospital 1 King Place, Meriden, CT Fuss & O'Neill EnviroScience Project No. 20120232.A7E

Dear Ms. Burdelski:

Enclosed is the report for the limited asbestos and hazardous materials building assessment conducted at the Former Veteran's Memorial Hospital located at 1 King Place in Meriden, CT (the "Site"). The work was conducted for the City of Meriden (the "Client").

The services were performed September 16-19 and September 22, 2014 by Fuss & O'Neill EnviroScience, LLC licensed inspectors and included a limited asbestos and hazardous material inspection in support of the clean-up project at the Site. The information summarized in this report is for the above-mentioned materials, only. The work was performed in accordance with our written proposal dated September 15, 2014.

If you should have any questions regarding the contents of this report, please do not hesitate to contact me at (860) 646-2469, extension 5570. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Carlos Texidor

Project Manager

CT/seo

Enclosure

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### 1 Introduction

Fuss & O'Neill EnviroScience, LLC (EnviroScience) representatives John Coletti, Anthony Malat, Bob Feingold, Chris McIntyre, and Kim Rinard performed a limited asbestos and hazardous materials assessment at the Former Veteran's Memorial Hospital located at 1 King Place in Meriden, CT (the "Site"). The inspection included the following:

- Limited asbestos inspection (visible and accessible materials located on the floors, horizontal and verticals surfaces.)
- Fluorescent lamps and ballasts (located in debris piles and on the floors throughout the building);
- Paint chips (located on the floors in stairwells and mechanical spaces); and
- Other hazardous materials observed throughout the building.

The work was conducted for the City of Meriden (the "Client") in accordance with our written scope of services dated September 3, 2014 and is subject to the limitations included in *Appendix A*.

### 2 Asbestos Inspection

A property Owner must ensure that a thorough asbestos-containing materials (ACM) inspection is performed prior to possible disturbance of suspect ACM during renovation or demolition activities. This is a requirement of the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M. At the time of the inspection there were no planned renovation or demolition activities. The inspection was conducted for only suspect ACM that was visible and accessible scheduled for removal as part of the proposed clean-up activities, and to "make safe" for individuals to enter the buildings.This inspection is not a NESHAP inspection, and should not be used to plan renovations or demolition projects.

On September 16-19 and September 22, Mr. Coletti, Mr. Malat, Mr. Feingold, Mr. McIntyre, and Ms. Rinard of EnviroScience conducted the inspection. Mr. Coletti and Mr. Malat are State of Connecticut Department of Public Health (CT DPH) licensed Asbestos Inspectors. Refer to *Appendix B* for EnviroScience licenses and accreditations.

### 2.1 Methodology

The inspection was conducted by visually inspecting debris observed on the floor which was suspect asbestos-containing material. Suspect asbestos-containing materials may include but are not limited to: asphalt floor tile, vinyl floor tile, vinyl sheet flooring, construction mastics, acoustical plaster, vinyl wall coverings, wallboards, spackling compounds, joint compounds, ceiling tiles, textured paints, spray-applied insulation, blown-in insulation, fireproofing materials, HVAC duct insulation, boiler insulation, pipe insulation, and fire doors. The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content and to segregate each suspect type of homogenous (similar in color, texture, and date of application) materials.



The inspectors collected bulk samples of visible accessible suspect ACM materials from the debris piles on the floor and prepared proper chain of custody forms to submit the asbestos bulk samples to EMSL Analytical Inc. located in Cinnaminson, New Jersey (EMSL) for analysis. EMSL is a Connecticutlicensed and American Industrial Hygiene Association (AIHA)-accredited asbestos laboratory. The sample locations, material type, sample identification, and asbestos content as identified by PLM bulk sample analysis is provided in Table 1 attached hereto. Suspect ACM not listed in the table that may be identified at a later date at the Site, should be assumed to be ACM until sample collection and analysis indicate otherwise. Asbestos bulk sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

Select samples of plaster and mastic that were reported as < 1 % asbestos but above the laboratory method reporting limit were confirmed thru point counting by the PLM method mentioned above. Three of the samples verified thru point counting were reported with concentrations of asbestos above 1%. These materials are included in the list of ACM in section 2.2 below.

If samples of suspect materials could not be collected or were inaccessible but observed elsewhere, these materials were assumed to contain asbestos and the inspectors approximated quantities. The roof of the structure was not included in the scope of work for this inspection.

EnviroScience did not perform subsurface and/or destructive investigations for suspect ACM during our inspection of the subject property. Confined spaces were identified within the basement of the 1968 and Bradley buildings, portions of the building identified as confined spaces were not included in this inspection.

### 2.2 Results

Utilizing the EPA protocol and criteria, the following materials were determined to be ACM:

- White paper formerly on duct Northwest Mechanical Room(1968 Building)
- White pipe insulation on ground Northwest Mechanical Room (1968 Building)
- White mudded fitting insulation on ground Northwest Mechanical Room (1968 Building)
- Off-white 9"x 9" floor tiles Stairwell H (1968 Building)
- Black mastic on off-white 9" x 9" floor Stairwell H(1968 Building)
- Off-white 9" x 9" floor tiles Second Floor East Hall (1968 Building)
- Black mastic on off-white 9" x 9" floor Second Floor East Hall (1968 Building)
- Beige 12" x 12" floor tiles Second Floor Northeast Area (1968 Building)
- Black mastic on Beige 12" x 12" floor tiles Fourth Floor Nurses Suite (1968 Building)
- Red 9" x 9" floor tile Fifth Floor South Hall (1952 Section)
- Black mastic on red 9" x 9" floor tiles Fifth Floor South Hall(1952 Section)
- Green 9" x 9" floor tile Fifth Floor South Hall (1952 Section)
- Black mastic on green 9" x 9" floor tile Fifth Floor South Hall (1952 Section)
- White air cell pipe insulation on floor Fifth Floor Hallway (1952 Section)
- White magnesium insulation on ground Third Floor Open Area Room (1952 Bradley)
- Air cell pipe insulation on ground Third Floor Open Area Room (1952 Bradley)
- Off-white 12" x 12" floor tiles Third Floor Open Area Room (1952 Bradley)



- Brown 9" x 9" checkerboard tile First Floor Middle Room (1952 Bradley)
- Mastic on brown 9" x 9" checkerboard tile First Floor Middle Room (1952 Bradley)
- Light brown 12" x 12" floor tiles First Floor Hall (South Addition)
- White plaster(skim)\* Second Floor (Nursing school)
- White plaster (rough)\* Second Floor (Nursing school)
- White plaster (rough)\* First Floor (Far Southeast Area)

\*Asbestos content determined thru TEM Gravimetric Reduction method.

In addition, the following materials were not within the limited scope of services for this phase however, they are assumed to be **ACM** based on visible inspection:

- Interior/Exterior Fire Doors
- Ceiling tiles located within the ceiling grid intact
- Sheetrock and plaster wall surfaces observed throughout the building
- Thermal system insulation observed on pipes and system components
- Surfacing materials observed on the underside of the concrete floor slabs, interior masonry partition walls and the interior surface of exterior building walls throughout the building

Refer to Table 1 for a complete list of ACM and non-ACM identified as part of this inspection. Refer to Figures 1-5 for asbestos bulk sample locations. The general condition of materials determined to be ACM is included in Table 1. Refer to *Appendix C* for the asbestos laboratory report and chain of custody forms. Refer to *Appendix D* for site photographs.

### 2.3 Discussion

The EPA, the Occupational Safety and Health Administration (OSHA), and the CT DPH, define a material that contains greater than one percent (>1%) asbestos, utilizing PLM/DS, as being an ACM. Materials that are identified as "none detected" are specified as not containing asbestos.

### 2.4 Conclusion

The materials determined to contain asbestos that will be impacted by any proposed clean-up "make safe", work must be remediated by a licensed Asbestos Abatement Contractor prior to entry into the building(s).

If applicable, EnviroScience recommends that a comprehensive scope of work and technical specification be developed as part of the debris clean-up for the Site. We have developed an opinion of cost for the complete removal of all identified asbestos. Note the total cost is inclusive of removing all asbestos observed within the debris piles, and a more limited scope can be tailored to any specific clean-up, "make safe" work as necessary.

Suspect materials encountered during the clean-up, "make safe" activities that are not identified in this report as being non-ACM should be presumed to be ACM until sample collection and laboratory analysis indicate otherwise.



### 3 Potential Lead-Based Paint

EnviroScience field staff observed potential lead-based paint chips on the floor from the deteriorated painted surfaces within the stairwells and mechanical spaces. No lead-based paint determination was performed at the time of the inspection. We recommended anayalizes of lead paint chips prior to disposal of building materials.

### 3.1 Discussion

Lead-based paint issues involving properties that are not residential are regulated to a limited degree for worker protection relating to paint-disturbing work activities and waste disposal. Worker protection is regulated by the Occupational Safety and Health Administration (OSHA) regulations, in addition to the CT DPH. These regulations involve air monitoring of workers exposure levels when disturbing lead-containing paint.

The EPA Resource Conservation and Recovery Act (RCRA) and the Connecticut Department of Energy and Environmental Protection regulate the disposal of lead-containing waste. Potentially lead-containing materials that will be removed from the Site for disposal during the debris clean-up activities must either be analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) analysis to determine if lead is present or be presumed as a hazardous waste. A TCLP sample is a representative sample of the intended waste stream. The results are compared to the threshold value of 5.0 milligrams per liter (mg/L): a result exceeding this value is considered a D008 hazardous waste in accordance with RCRA.

### 3.2 Conclusion

OSHA published a Lead in Construction Standard (OSHA Lead Standard) Title 29 CFR, Part 1926.62 in May 1993. The OSHA Lead Standards are task-based and derived from airborne exposure and blood lead levels.

Building components containing lead levels above industry standards that are disturbed during the debris clean-up activities may cause exposure to lead above the OSHA standards. No TCLP sample was collected at the time of the limited asbestos and hazardous material inspection to characterize the expected waste that may result from the debris clean-up.

### 4 PCB-Containing Fluorescent Light Ballasts and Mercury-Containing Lamps

### 4.1 PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may also contain PCB capacitors. Fluorescent light ballasts that are not



labeled as "No-PCBs" must be assumed to contain PCBs, unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent light ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under EPA RCRA and the Superfund law as a hazardous waste. Therefore, EPA Superfund liability exists for landfilling both PCB and DEHP-containing light ballasts. These listed materials are considered hazardous waste under EPA RCRA, and require special handling and disposal considerations.

On September 16-19 and September 22, EnviroScience representative(s), Mr. Coletti, Mr. Malat, Ms. Rinard, and Mr. Feingold performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing light ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB or DEHP-containing ballasts, and were not quantified for disposal. 572 fluorescent lamp ballasts were observed during the inspection.

The light ballasts without a label indicating "No PCBs" are presumed to be PCB-containing waste and must be segregated for proper removal, packaging, transport, and disposal as PCB-containing waste. Those light ballasts labeled as "No PCBs" indicating manufacture dates prior to 1991 are presumed to contain DEHP. DEHP-containing light ballasts must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing ballasts are slightly varied, and disposal costs are slightly less than PCB-containing light ballasts. Please refer to Table 2 for the type and estimated quantity on debris piles of PCB/DEHP-Containing Light Ballasts

### 4.2 Mercury-Containing Equipment

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA hazardous waste regulations. According to the EPA, mercury lamps are characterized as a Universal Waste. Therefore, fluorescent lamps must be either recycled, or disposed as hazardous waste.

On September 16-19 and September 22, EnviroScience representatives, Mr. Coletti, Mr. Malat, Ms. Rinard, and Mr. Feingold, performed an inventory of mercury lamps observed on ground and within the debris piles at the Site; please refer to Table 3. These fixtures were inventoried in-place.

### 5 Additional Hazardous Materials and Debris

EnviroScience field staff observed stockpiles of non-bulk containers of surplus chemicals, bulk containers of chemicals, debris piles containing household waste materials and car and truck tires throughout the building.



In addition to bulk containers and non-bulk containers of surplus chemicals, EnviroScience observed one cardboard box, with a heavy accumulation of crystalline material on the outer portion of the box with visible staining at the base of the box, with containers in various states of decay observed in the box. Enviroscience field staff could not determine the contents of the containers in the box at the time of the survey.

Based on Title 29 CFR 1926.120 "Hazardous Waste Operations and Emergency Response" regulations, crystalline material shall be handled as a shock-sensitive waste until the contents are determined. Shock-sensitive materials may pose a flame or explosion hazard if improperly handled.

Bulk containers of unknown chemicals were observed in isolated areas within the hospital building located at the Site. The contents of these containers could not be determined as the labels were in various states of degradation.

- Four 5-gallon buckets of unknown fluid located in the Incinerator Room
- One 55-gallon drum observed in the Incinerator Room
- One 55-gallon drum observed in the Laundry/Storage Area
- One 55-gallon drum of cleaning solution observed in the South Addition Boiler Plant
- One 55-gallon drum observed in the South Addition Boiler Area
- One 55-gallon drum labeled "Mobil Racing Fuel" in the upper floors of the 1952 Building
- One oxygen/acetylene cylinder setup observed in the South Addition Boiler Plant

Non-bulk containers of unknown surplus chemicals in various states of decay were observed in maintenance, janitorial and mechanical spaces. The surplus chemicals observed included but are not limited to: spray paints, penetrating oils, cutting oils, adhesives, machine oil, cleaning solutions and pesticides.

### 5.1 Conclusion

The contents of the non-bulk and bulk containers must be characterized for disposal purposes or presumed hazardous and disposed of accordingly.

Report prepared by Environmental Technician Kim Rinard.

Reviewed by:

Carlos Texidor Project Manager

Robert L

President



### **Tables**



1. Summary of Asbestos Sample Results

	Asbestos Samp	ole Results – 09/25/2014	
Sample No.	Sample Location	Material Type	Result Total Asbestos %
925-JAC-1	1968 Building First Floor Northwest Mechanical Room	White paper formerly on 12" wide duct	12% Chrysotile
925-JAC-2	1968 Building First Floor Northwest Mechanical Room	White blown-in insulation on ground	ND
925-JAC-3	1968 Building First Floor Northwest Mechanical Room	White Pipe Insulation on Ground	6% Chrysotile
925-JAC-4	1968 Building First Floor Northwest Mechanical Room	White Mudded Fitting Insulation on Ground	8% Chrysotile
925-JAC-5	1968 Building First Floor Northwest Mechanical Room	Black batting insulation on fiberglass pipe on ground	ND
925-JAC-6	1968 Building Stairwell from Mechanical Room to Second Floor	Off-white 9"x 9" Floor tiles(Broken)	4% Chrysotile
925-JAC-7	1968 Building Stairwell from Mechanical Room to Second Floor	Black mastic to the 9" x 9" off- white floor tiles	5% Chrysotile
925-JAC-8	1968 Building Stairwell H		ND
925-JAC-9	2 1968 Building Stairwell H, at Fourth floor White damaged plaster (rough)		ND
925-JAC-10	South Addition First Floor Operating Room	White 1' x 1' Ceiling tiles on ground	ND
925-JAC-11 South Addition First Floor Operating White Room		White damaged ceramic tile grout (4"x 4")	ND
925-JAC-12	South Addition First Floor Operating		ND
925-JAC-13	South Addition First Floor Hall	12" x 12" Light Brown Floor tiles	4% Chrysotile
925-JAC-14	Brown mastic associated wit		ND
925-JAC-15	1968 Building First Floor Engineering		ND
925-JAC-16	North Addition First Floor Morgue Area	Off-white sheetrock/joint compound	ND
925-JAC-17	North Addition First Floor Morgue Area	White joint compound only	ND
925-JAC-18	1968 Building Second Floor by Main Entrance	1' x 1' White splined ceiling tiles	ND
925-JAC-19	1968 Building Second Floor East Hall	Off-white 9" x 9" floor tiles	4% Chrysotile
925-JAC-20	1968 Building Second Floor East Hall	Black mastic to the off-white 9" x 9" floor tile	8% Chrysotile

### Table 1Asbestos Sample Results – 09/25/2014



Sample No.	Sample Location	Material Type	Result Total Asbestos %
925-JAC-21	1968 Building Second Floor Purple Office Area, Near Main Entrance	White 2' x 4' Ceiling tiles	ND
925-JAC-22	1968 Building Second Floor Purple Office Area, Near Main Entrance	White 1' x 1' tiles	ND
925-JAC-23	North Addition Incinerator Room, Near Morgue	White Magnesium Insulation on Ground	ND
925-JAC-24	North Addition Incinerator Room, Near Morgue	Off-white boiler breeching insulation on ground	ND
925-JAC-25	Incinerator Area E12 Boiler	Off-white Magnesium Insulation on ground	ND
925-JAC-26	1968 Section Second Floor East Area Laboratory	2' x 4' White Ceiling Tiles on Ground	ND
925-JAC-27	1968 Section Second Floor Northeast Area Hall	12" x 12" Beige Floor tile	4% Chrysotile
925-JAC-28	1968 Section Second Floor Northeast Area Hall	Brown mastic to 12" x 12" floor tiles	ND
925-JAC-29	1968 Section Third floor Laboratory 3359	White plaster (skim)	ND
925-JAC-30	1968 Section Third floor Laboratory	Brown plaster (rough)	ND
925-JAC-31	1968 Section Third floor White sheetrock/joint compound		ND
925-JAC-32	1968 Section Third floor Room 3341	White joint compound on ground	ND
925-JAC-33	North addition Third Floor Pharmacy Area	Yellow spray-on fireproofing	ND
925-JAC-34	North addition Third floor Managers Information Corridor	White 1' x 1' ceiling tiles	ND
925-JAC-35	North addition Third floor Managers Brown due daubs to 1' x 1' ceiling		ND
925-JAC-36	AC-36 1952 Section Second Floor Middle Stairwell 12" x 12" beige floor tiles		ND
925-JAC-37	25-JAC-37 1952 Section Second Floor Yellow mastic to 12" x 12" beige floor tiles		ND
925-JAC-38	1968 Section Fourth Floor Nurses		ND
925-JAC-39	1968 Section Fourth Floor Nurses Suite	5	
925-JAC-40	Fourth floor Baby Observation Area	Black Sheet Vinyl Flooring	ND
925-JAC-41	Fourth Floor East Area Bathroom	White Ceramic Tile Grout 1' x 1'	ND
925-JAC-42	Fourth Floor East Area Bathroom	Yellow Ceramic Tile Backing	ND
925-JAC-43	1968 Section Third Floor Hall at 327 and 329	12" x 12" Off White Floor Tile	ND



Sample No.	Sample Location	Material Type	Result Total Asbestos %
925-JAC-44	1968 Section Third Floor Hall at 327 and 329	Brown Mastic to 12" x 12" off- white floor tile	ND
925-JAC-45	1952 Section Fifth Floor South Hall	White plaster(skim)	ND
925-JAC-46	1952 Section Fifth Floor South Hall	Brown plaster(rough)	ND
925-JAC-47	1952 Section Fifth Floor South Hall	Red 9" x 9" Floor tiles	10% Chrysotile
925-JAC-48	1952 Section Fifth Floor South Hall	Black mastic to the Red 9" x 9" Floor tiles	5% Chrysotile
925-JAC-49	1952 Section Fifth Floor South Hall	Green 9" x 9" Floor Tiles	4% Chrysotile
925-JAC-50	1952 Section Fifth Floor South Hall	Black mastic to the Green 9" x 9" Floor Tiles	5% Chrysotile
925-JAC-51	1952 Section Fifth Floor Hallway	Brown Glue Daubs Debris on Floor	ND
925-JAC-52	1952 Section Fifth Floor Hallway	White Air Cell Pipe Insulation on Floor	70% Chrysotile
925-JAC-53	1952 Section Seventh Floor Hallway	Black Tar Paper on Floor	ND
925-JAC-54	1952 Section Seventh Floor Hallway	White Skim Coat Plaster	ND
925-JAC-55	1952 Section Seventh Floor Hallway	Brown Rough Coat Plaster	ND
925-JAC-56	1952 Section Seventh Floor Hallway	Exposed White Wood Fire Door Core Insulation	ND
925-JAC-57	1952 Section Sixth Floor Entry Area	Brown Paint Material Peeling from Wall on Ground	ND
925-JAC-58	1952 Section Seventh Floor Hallway	White Fiber Wall Material	ND
925-JAC-59	1952 Bradley Building Seventh Floor Front Room	1'x 1' White Hissured ( eiling Lile	
925-JAC-60	1952 Bradley Building Seventh Floor	1' x 1' White Dotted Ceiling Tile	ND
925-JAC-61	1952 Bradley Building Seventh Floor Hall	Black Glue Daubs to the 1' x 1' Dotted Ceiling Tiles	ND
925-JAC-62	1952 Bradley Building Seventh Floor Hall	White Blown in Insulation	ND
925-JAC-63	1952 Bradley Building Fifth Floor Connector	12" x 12" Off White Floor Tiles	ND
925-JAC-64	1952 Bradley Building Fifth Floor E509	White Plaster(skim)	ND
925-JAC-65	1952 Bradley Building Fifth Floor E509	White sheetrock	ND
925-JAC-66	1952 Bradley Building Fourth Floor Hall	Brown Plaster (Rough)	ND
925-JAC-67	1952 Bradley Building Third Floor Hall	White Plaster(Skim)	ND
925-JAC-68	1952 Bradley Building Third Floor Hall	Brown Plaster (Rough)	ND



Sample No.	Sample Location	Material Type	Result Total Asbestos %
925-JAC-69	1952 Bradley Building Third Floor Open Area Room	White Magnesium Insulation on Ground	25% Amosite 10% Chrysotile
925-JAC-70	1952 Bradley Building Third Floor Open Area Room	Air Cell Pipe Insulation on Ground	20% Chrysotile
925-JAC-71	1952 Bradley Building Third Floor Open Area Room	12" x 12" Off White Floor Tiles	4% Chrysotile
925-JAC-72	1952 Bradley Building Third Floor Open Area Room	White Sheetrock	ND
925-JAC-73	1952 Bradley Building Fourth Floor	White 1' x 1' Dotted Ceiling Tiles on Ground	ND
925-JAC-74	1952 Bradley Building Second Floor Cafeteria	Brown Glue Daubs on Ground	ND
925-JAC-75	1952 Bradley Building Second Floor Cafeteria	Gray Homosote Boards on Ground	ND
925-JAC-76 Floor	1952 Bradley Building First Floor Middle Room	Brown 9" x 9" Checkerboard Tile	8% Chrysotile
925-JAC-76 Mastic	1952 Bradley Building First Floor Middle Room	Mastic on Brown 9" x 9" Checkerboard Tile	5% Chrysotile
925-JAC-77	1952 Bradley Building First Floor Room to Bath	1' x 1' Pinhole Ceiling Tiles	ND
925-JAC-78	1952 Bradley Building Eirst Floor Brown Strin Glue on Wood Panel		ND
925-JAC-79	Nurses Area Second Floor	White Textured Ceiling Paint on Floor	ND
925-JAC-80	Nurses Area Fourth Floor	White Textured Ceiling Paint on Floor	ND
925-JAC-81	Nurses Area Second Floor	White Plaster (Skim)	1.8% Chrysotile *
925-JAC-82	Nurses Area Second Floor	White Plaster (Rough)	1.7% Chrysotile *
925-JAC-83	Nurses Area First Floor Black Paper Under Damaged Wood Floor		ND
925-JAC-84	North Addition Generator Room	North Addition Generator Room Gray Ceramic Tile Floor Grout	
925-JAC-85	85 North Addition Generator Room Yellow Ceramic Floor Backing		ND
925-JAC-86	5 Far Southeast Area First Floor Newer Area White 2' x 4' Ceiling Tiles		ND
925-JAC-87	7 Far Southeast Area First Floor Newer Yellow Carpet Mastic on Typical Area Carpet		< 0.42% Chrysotile*
925-JAC-88	Far Southeast Area First Floor Newer Area	12" x 12" Light Brown Floor Tiles	ND
925-JAC-89	Far Southeast Area First Floor Newer Area	Brown Mastic to 12" x 12" light brown floor tiles	ND
925-JAC-90	Far Southeast Area First Floor Newer	Black mastic to 12" x 12" light	ND



Sample No.	Sample Location	Material Type	Result Total Asbestos %
925-JAC-91	Far Southeast Area First Floor Newer Area	Gray Spray-on Fireproofing	ND
925-JAC-92	Far Southeast Area First Floor Newer Area	White Joint Compound	ND
925-JAC-93	Far Southeast Area First Floor Newer Area	12" x 12" White with Tan Streaks Floor Tile	ND
925-JAC-94	Far Southeast Area First Floor Newer Area	White Sheetrock/Joint Compound	ND
925-JAC-95	Far Southeast Area First Floor Newer Area	White Plaster (Skim)	< 0.74% Chrysotile*
925-JAC-96	Far Southeast Area First Floor Newer Area	White Plaster(Rough)	1.5% Chrysotile*

ND = None Detected

\*Concentration determined thru TEM Gravimetric Reduction method.

PCB/DEHP-Containing Light Ballasts			
Туре	Estimated Quantity		
PCB	0		
DEHP	572		

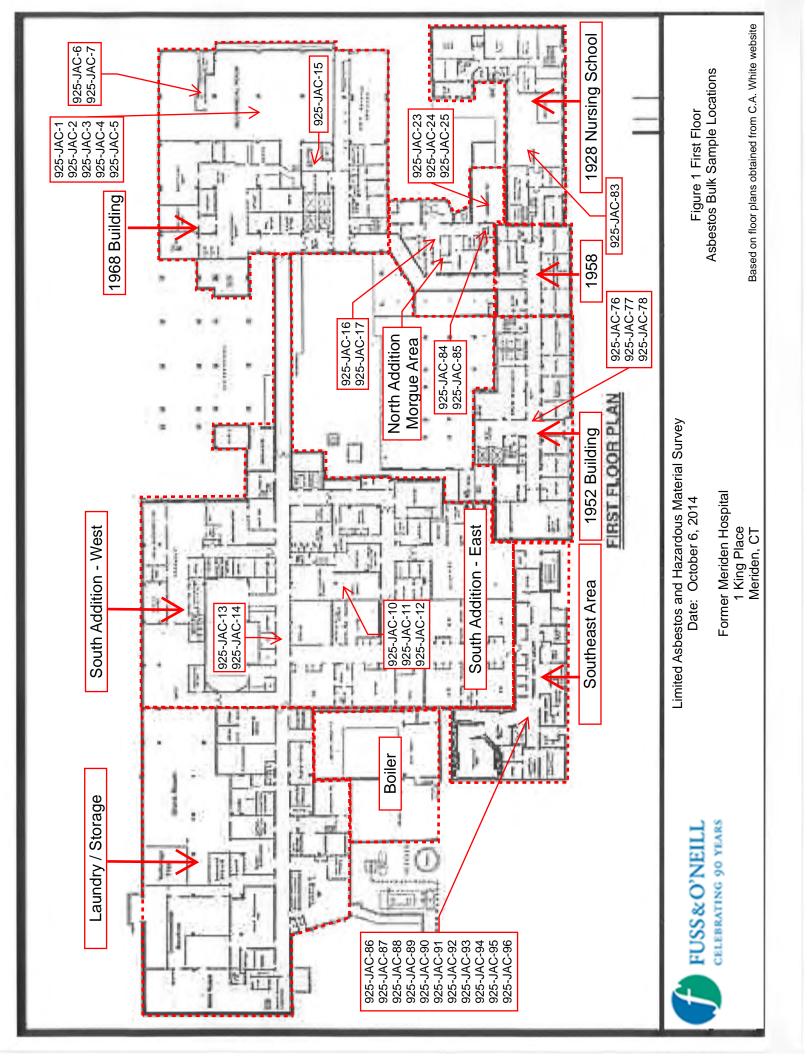
Table 2

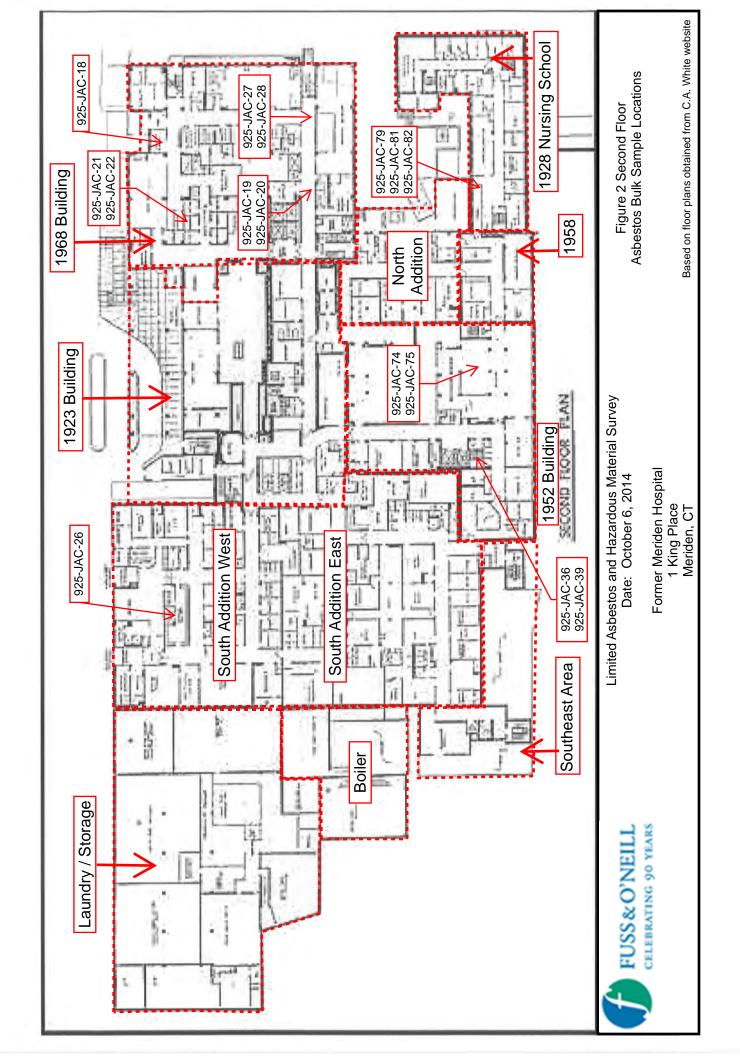
Table 3
Mercury-Containing Equipment

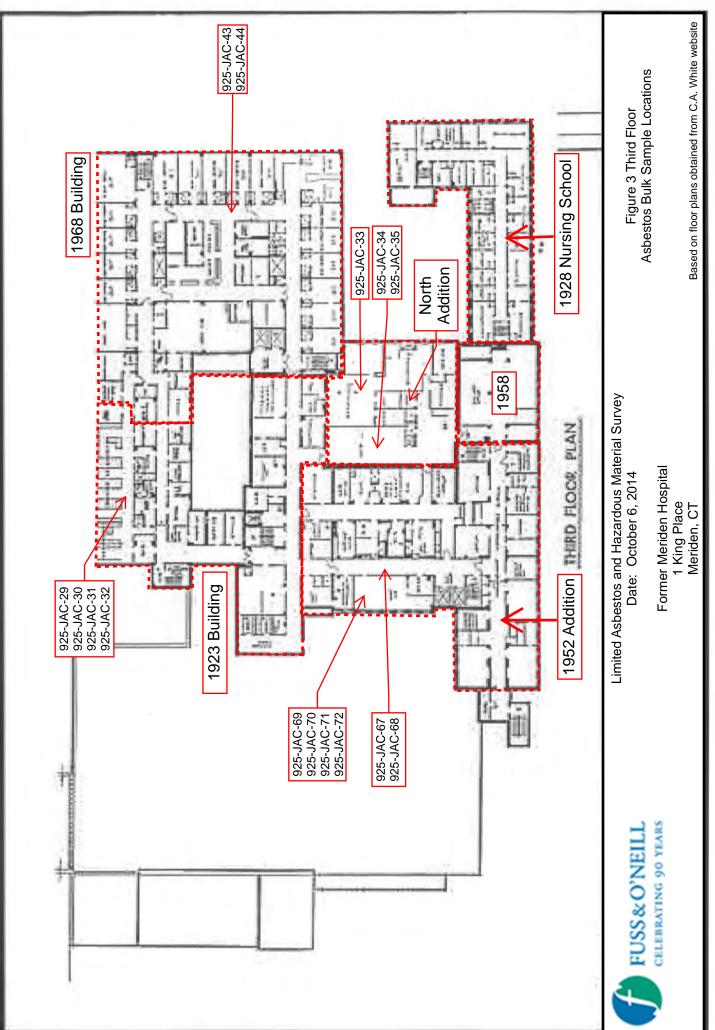
Туре	Estimated Quantity
U-shaped	17
1' Light Tube	0
2' Light Tube	40
4' Light Tube	437
8' Light Tube	0
High Intensity Discharge (HID) Light	0
Compact Fluorescent Lamp (CFL)	0

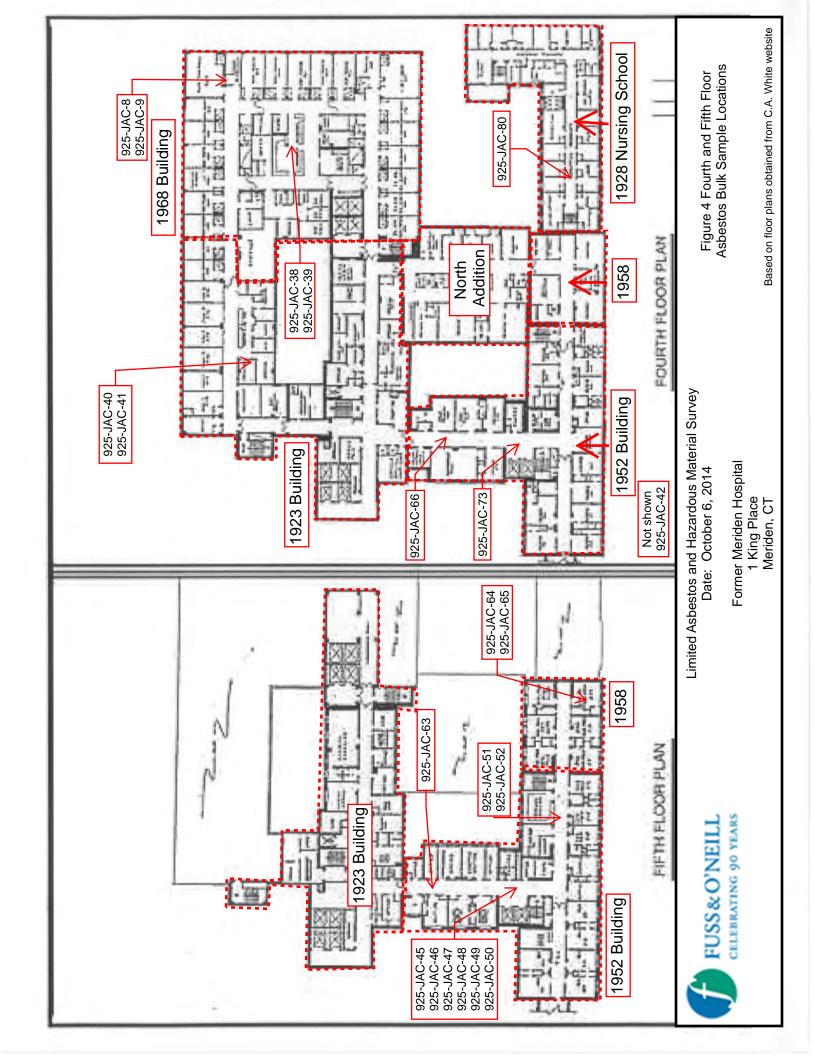


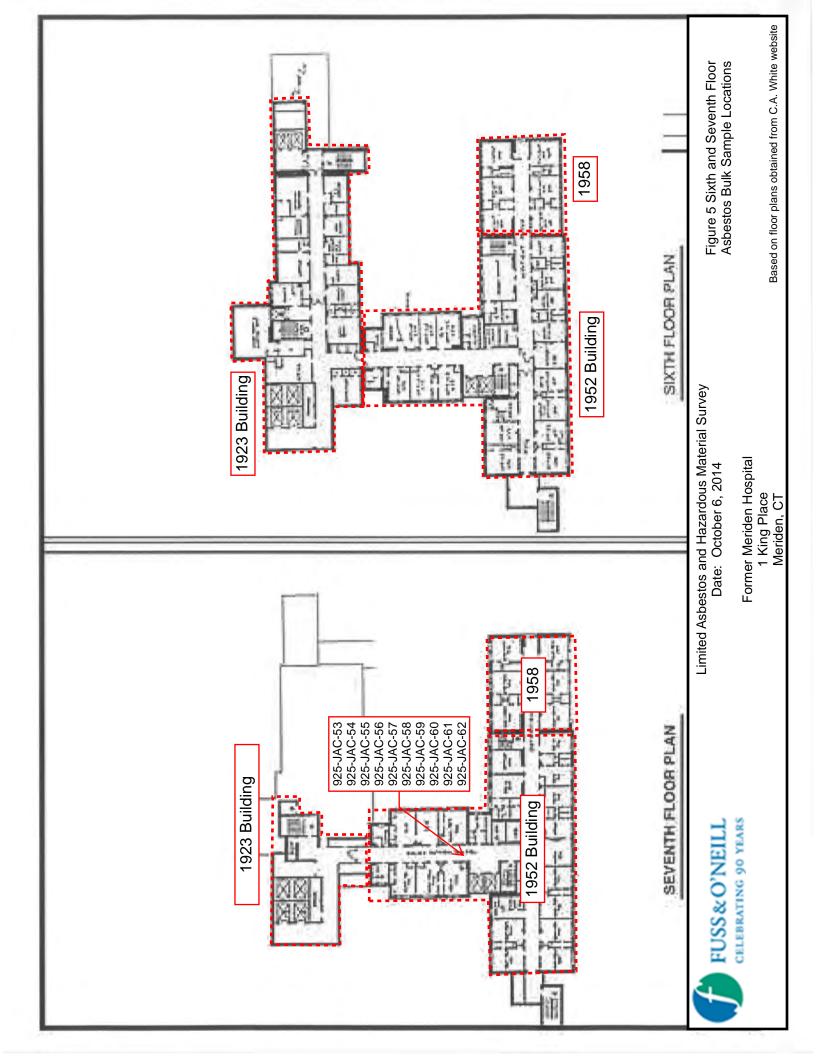
### Figures













### Appendix A

Limitations



### **APPENDIX A - LIMITATIONS**

Former Veteran's Memorial Hospital 1 King Place, Meriden, CT

- This environmental report has been prepared for the exclusive use of the City of Meriden and is subject to, and is issued in connection with the terms and conditions of the original Agreement and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill EnviroScience, LLC (EnviroScience) shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
- 2. EnviroScience has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM that must be managed prior to the clean-up activities that may disturb these materials at the subject property. EnviroScience has not performed an independent review of the reliability of this laboratory data.
- 3. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection, with exception to the roof which was not included in the scope of work at this particular property. Suspect hazardous materials may exist below the ground surface that were not included in the scope of work of this inspection. EnviroScience cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this inspection.
- 4. The findings, observations and conclusions presented in this report are limited by the scope of services outlined in our original Agreement August 15, 2014, revised September 3, 2014, which reflects schedule and budgetary constraints imposed by Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
- 5. The conclusions presented in this report are based solely upon information gathered by EnviroScience to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to the EnviroScience's attention. Based upon an evaluation and assessment of relevant information, EnviroScience may modify the letter report and its conclusions.



### Appendix B

Inspector Licenses and Accreditations

1004118 01 AV 0.378 \*\*AUTO 19.2 1164 06374 194422 C01 P04124 1



### Dear JOHN COLETTI,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308 M.S.#12MQA Hartford, CT 06134-0308

(860) 509-7603 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely,

Phaller MS Burel

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

ST	TE OF CONNECT	COLE
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DEFAI		BEALTH
	NAME	
	JOHN COLETTI	
VALIDATION NO	CERTIFICATE NO	CURRENT THROUGH
03-912338	000399	06/30/15
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INSTRUCTIONS:

1. Detach and sign each of the eards on this form

Display the large card in a prominent place in your office or place of buttment.
The wallet card is for you to curry on your person. If you do not wish in earry the wallet card, place it to a secure place.

can be place it on second place is for persons who must demonstrate current licensure/certification in order to retain employeers or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CON	NNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A ASBESTOS CONSULTANT-INSPECTOR	
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JO

SIGN

146 Hartford Road, Manchester, CT 06040 - (860) 646-2469

This is to certify that

John Coletti xxx-xx-6275 has successfully completed the 4 Hr. Asbestos Inspector Refresher Asbestos Accreditation under TSCA Title II 40 CFR Part 763

2/20/

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

September 3, 2014 Date of Course

September 3, 2014 Examination Date

AI-R-09/14-3

Certificate Number

September 3, 2015 Expiration Date 1004119 01 AV 0.378 \*\*AUTO 19 2 1164 06374 194422 C01 P04125 I



Dear JOHN A. COLETTI,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308 M.S.#12MQA Hartford, CT 06134-0308

(860) 509-7603 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely,

Muller Ms sure l

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED

BY THIS DEPARTMENT AS A

	NAME JOHN A, COLETT	
VALIDATION NO. 03-912339	CERTIFICATE NO 002114	CURRENT THROUGH 06/30/15
LEA	PROFESSION D INSPECTOR RISK ASSE	SSOR
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INSTRUCTIONS:

I: Detach and sign each of the curds on this form

Display the large card in a prominent place in your office or place of business.
The wallet card is for you to carry on your person. If you do not wish to eavry the wallet card, place if in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employiment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

R RISK ASSESSOR	
	CERTIFICATE NO. 002114
	CURRENT THROUGH
	VALIDATION NO. 03-912339
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	Jawel Muller

	WALLET CARD	10.2
	ATE OF CONNECTI	
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	NAME	
	JOHN A. COLETT	1
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03-912339	002114	06/30/15
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SIGNATURE	COMM	IISSIONER

146 Hartford Road, Manchester, CT 06040 - (860) 646-2469

This is to certify that

### John Coletti

xxx-xx-6275

### 8 Hour Lead Inspector Risk Assessor Refresher Course (Approved per Sec. 20-477, CT General Statutes) has successfully completed the

(U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations 40 CFR part 745 and any other applicable Federal, State, or local requirements.

A

Brian Santos, Principal Instructor

February 20 & 25, 2014

Date of Course

February 25, 2014

Examination Date

Let I May

Robert L. May, Jr., Training Manager

LIRA-R-02/14-4

Certificate Number

February 25, 2015

Expiration Date

0001733 FP \*\*PRSRT T7 0 0664 06040 ANTHONY MALAT FUSS & O'NEILL ENVIROSCIENCE, LLC 146 HARTFORD RD MANCHESTER CT 06040

Dear Licensed/Certified Professional.

Attached you will find your validated license/certification for the coming year. Should you have any guestions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308

(860) 509-7603

CURRENT THROUGH

02/28/15

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LICENSE NO. CURRENT THROUGH

wel Mulle

02/28/15

**M.S.#12MQA** Hartford, CT 06134-0308

http://www.dph.state.ct.us

Sincerely, evel Mullen MS

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

NAME ANTHONY MALAT

LICENSE NO.

000840

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

WALLET CARD

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

NAME

ANTHONY MALAT

000840

PROFESSION ASBESTOS CONSULTANT-INSPECTOR

### INSTRUCTIONS:

I. Detach and sign each of the cards on this form. Display the large card in a prominent place in your office or place of busine 3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.



146 Hartford Road, Manchester, CT 06040 - (860) 646-2469

This is to certify that

Anthony M. Malat xxx-xx-0333 has successfully completed the 4 Hr. Asbestos Inspector Refresher Asbestos Accreditation under TSCA Title II 40 CFR Part 763

John Rowinski, Principal Instructor

September 3, 2014 Date of Course September 3, 2014 Examination Date

Robert L. May, Jr., Training Manager

AI-R-09/14-8

Certificate Number

September 3, 2015 Expiration Date

146 Hartford Road, Manchester, CT 06040 - (860) 646-2469

This is to certify that

### Anthony M. Malat

XXX-XX-0333

### 8 Hour Lead Inspector Risk Assessor Refresher Course (Approved per Sec. 20-477, CT General Statutes) has successfully completed the

(U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations 40 CFR part 745 and any other applicable Federal, State, or local requirements.

Brian Santos, Principal Instructor

February 20 & 25, 2014

Date of Course

February 25, 2014

Examination Date

Robert L. May, Jr., Training Manager

LIRA-R-02/14-8 Certificate Number

February 25, 2015

Expiration Date

Dear Licensed/Certified Professional,

Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308 **M.S.#12MQA** 

(860) 509-7603

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COMMISSIONER

Hartford, CT 06134-0308

http://www.dph.state.ct.us

Sincerely, avel that les M

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

0001326 FP \*\*PRSRT T7 0 0764 06040 ROBERT W FEINGOLD FUSS & O'NEILL ENVIROSCIENCE LLC 146 HARTFORD RD MANCHESTER CT 06040-5992

### INSTRUCTIONS:

1. Detach and sign each of the cards on this form. 2. Display the large card in a prominent place in your office or place of business. 3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.



146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

### Robert W. Feingold

ххх-хх-4699

has successfully completed the 4 Hr. Asbestos Inspector Refresher Asbestos Accreditation under TSCA Title II 40 CFR Part 763

Als Redende-

John Rowinski, Principal Instructor

January 6, 2014 Date of Course January 6, 2014 Examination Date Expiration Date

Robert L. May, Jr., Training M

AI-R-01/14-3 Certificate Number January 6, 2015

Dear Licensed/Certified Professional.

Attached you will find your validated license/certification for the coming year. Should you have any questions about vour license/certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308

(860) 509-7603

02/28/15

CURRENT THROUGH

02/28/15

M.S.#12MQA Hartford, CT 06134-0308

http://www.dph.state.ct.us

Sincerely,

quel the len MS

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

\*\*PRSRT T7 0 0764 06040 0001324 FP **ROBERT W FEINGOLD** FUSS & O'NEILL ENVIROSCIENCE LLC 146 HARTFORD RD MANCHESTER CT 06040-5992

### INSTRUCTIONS:

1. Detach and sign each of the cards on this form. 2. Display the large card in a prominent place in your office or place of husiness. 3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

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146 Hartford Road, Manchester, CT 06040 - (860) 646-2469

This is to certify that

Robert Feingold xxx-xx-4699

has successfully completed the

### 8 Hour Lead Inspector Risk Assessor Refresher Course (Approved per Sec. 20-477, CT General Statutes)

(U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations 40 CFR part 745 and any other applicable Federal, State, or local requirements.

Brian Santos, Principal Instructor

February 20 & 25, 2014

Date of Course

February 25, 2014

Examination Date

hed & May

Robert L. May, Jr., Training Manager

LIRA-R-02/14-6 Certificate Number

February 25, 2015

Expiration Date



### Appendix C

Asbestos Bulk Laboratory Report and Chain of Custody Forms

FUSS & O'NEILL EnviroScience, uc

To: Carlos Texidor

Page: 2/20

Date: 10/3/2014 10:25:14 AM

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146 Hartford Road, Manchester, CT 06040

Phone (860)646-2469 Fax (860) 649-6883

### SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 4

Project Name: City of Meriden 1 King Place, Meriden, CT

Building: Former Hospital at 1 King Place Meriden, CT

Project No. 20120232.A7E

Project Manager: Carlos Texidor

Sample ID	Sample Location	Material		
925-JAC-1	1968 Building First Floor Northwest Mechanical Room	White Paper Formerly on 12" Wide Duct		
925-JAC-2	1968 Building First Floor Northwest Mechanical Room	White Blown-in Insulation on Ground		
925-JAC-3	1968 Building First Floor Northwest Mechanical Room	White Pipe Insulation on Ground		
925-JAC-4	1968 Building First Floor Northwest Mechanical Room	White Mudded Fitting Insulation on Ground		
925-JAC-5	1968 Building First Floor Northwest Mechanical Room	Black Batting Insulation on Fiberglass Pipe on		
925-JAC-6	1968 Building Stairwell From Mechanical to Second Floor	Ground Off-White 9" x 9" Floor Tiles (Broken)		
925-JAC-7	1968 Building Stairwell From Mechanical to Second Floor	Black Mastic to the 9" x 9" Off-White Floor		
925-JAC-8	1968 Building Stairwell H, at Fourth Floor	Tiles White Damaged Plaster (Skim)		
925-JAC-9	1968 Building Stairwell H, at Fourth Floor	White Damaged Plaster (Rough)		
925-JAC-10	South Addition First Floor Operating Room	White 1' x 1' Ceiling Tiles On Ground		
925-JAC-11	South Addition First Floor Operating Room	White Damaged Ceramic Tile Grout (4" x 4")		
925-JAC-12	South Addition First Floor Operating Room	White Damaged Ceramic Tile Backing		
925-JAC-13	South Addition First Floor Hall	12" x 12" Light Brown Floor Ales		
925-JAC-14	South Addition First Floor Hall	Brown Mastic Associated With 12" #12"		
925-JAC-15	1968 Building First Floor Engineering Office Area	White 2' x 4' Ceiling Tiles On Ground Co		
925-JAC-16	North Addition First Floor Morgue Area	Off White Sheetrock/Joint Compound		
925-JAC-17	North Addition First Floor Morgue Area	White Joint Compound Only		
925-JAC-18	1968 Building Second Floor by Main Entrance	1' x 1' White Splined Ceiling Tiles		
925-JAC-19	1968 Building Second Floor East Hall	Off-White 9" x 9" Floor Tiles		
925-JAC-20	1968 Building Second Floor East Hall	Black Mastic to the Off-White 9" x 9" Floor		
925-JAC-21	1968 Building Second Floor Purple Office Area, Near Main Entrance	White 2' x 4' Ceiling Tiles		
925-JAC-22	1968 Building Second Floor Purple Office Area, Near Main Entrance	White 1' x 1' Ceiling Tiles		
925-JAC-23	North Addition Incinerator Room, Near Morgue	White Magnesium Insulation On Ground		
925-JAC-24	North Addition, Incinerator Room, Near mourge	Off-White Boiler Breeching Insulation On		
925-JAC-25	Incinerator Area E12 Boiler	Ground Off White Magnesium Insulation On Ground		

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6 Page 1 Of



To: Carlos Texidor

ge: 3/20 Date: 10/3/2014 10:25:14 AM

FUSS & O'NEILL EnviroScience, LLC

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www.fando.com

146 Hartford Road, Manchester, CT 06040

Building: Former Hospital at 1 King Place Meriden, CT

Phone (860)646-2469 Fax (860) 649-6883

## SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 4

72-OI

Project Name: City of Meriden 1 King Place, Meriden, CT Project No. 20120232.A7E

Project Manager: Carlos Texidor

Sample ID	Sample Location	Material
925-JAC-26	1968 Section Second Floor East Area Laboratory	2' x 4' White Ceiling Tiles on Ground
925-JAC-27	1968 Section Second Floor Northeast Area Hall	12" x 12" Beige Floor Tiles
925-JAC-28	1968 Section Second Floor Northeast Area Hall	Brown Mastic to 12" x 12' Floor Tiles
925-JAC-29	1968 Section Third Floor Laboratory 3359	White Plaster (Skim)
925-JAC-30	1968 Section Third Floor Laboratory 3359	Brown Plaster (Rough)
925-JAC-31	1968 Section Third Floor Room 3341	White Sheetrock/Joint Compound on Ground
925-JAC-32	1968 Section Third Floor Room 3341	White Joint Compound on Ground
925-JAC-33	North Addition Third Floor Pharmacy Area	Yellow Spray-on Fireproofing
925-JAC-34	North Addition Third Floor Managers Information Corridor	White 1' x 1' Ceiling Tiles
925-JAC-35	North Addition Third Floor Managers Information Corridor	Brown Glue daubs to 1' x 1' Ceiling Tiles
925-JAC-36	1952 Section Second Floor Middle Stairwell	12" x 12" Beige Floor Tiles
925-JAC-37	1952 Section Second Floor Middle Stairwell	Yellow Mastic to 12" x 12" Beige Floor Tile
925-JAC-38	1968Section Fourth Floor Nurses Suite	12" x 12" Beige Floor Tiles
925-JAC-39	1968 Section Fourth Floor Nurses Suite	Black Mastic to 12" x 12" Beige Floor Tile
925-JAC-40	Fourth Floor Baby Observation Area	Black Sheet Vinyl Flooring
925-JAC-41	Fourth Floor East Area Bathroom	White Ceramic Tile Grout 1" x 1"
925-JAC-42	Fourth Floor East Area Bathroom	Yellow Ceramic Tile Backing
925-JAC-43	1968 Section Third floor Hall at 327 and 329	12" x 12" Off White Floor Tile
925-JAC-44	1968 Section Third floor Hall at 327 and 329	Brown Mastic to 12" x 12" Floor Tiles
925-JAC-45	1952 Section Fifth Floor South Hall	White Plaster (Skim)
925-JAC-46	1952 Section Fifth Floor South Hall	Brown Plaster (Rough)
925-JAC-47	1952 Section Fifth Floor South Hall	Red 9" x 9" Floor Tiles
925-JAC-48	1952 Section Fifth Floor South Hall	Black Mastic to the Red 9"x 2" Floor Tiles
925-JAC-49	1952 Section Fifth Floor South Hall	Green 9" x 9' Flor Tiles
925-JAC-50	1952 Section Fifth Floor South Hall	Black Mastic to the Green 9" x 9" Floor Tiles

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To: Carlos Texidor  $\epsilon$  Page: 4/20 Date: 10/3/2014 10:25:14 AM 428336 1

**FUSS & O'NEILL** EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040

www.fando.com

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 3 of 4

Project Name: City of Meriden 1 King Place, Meriden, CT

Project No. 20120232.A7E

Phone (860)646-2469 Fax (860) 649-6883

Building: Former Hospital at 1 King Place Meriden, CI

Project Manager: Carlos Texidor

Sample ID	Sample Location	Material			
925-JAC-51	1952 Section Fifth Floor Hallway	Brown Glue Daubs Debris on Floor			
925-JAC-52	1952 Section Fifth Floor Hallway	White Air Cell Pipe Insulation on Floor			
925-JAC-53	1952 Section Seventh Floor Hallway	Black Tar Paper on Floor			
925-JAC-54	1952 Section Seventh Floor Hallway	White Skim Coat Plaster			
925-JAC-55	1952 Section Seventh Floor Hallway	Brown Rough Coat Plaster			
925-JAC-56	1952 Section Seventh Floor Entry Area	Exposed White Wood Fire Door Core			
925-JAC-57	1952 Section Sixth Floor Entry Area	Brown Paint Material Peeling From Wall on			
925-JAC-58	1952 Section Seventh Floor Hallway	Ground White Fiber wall Material			
925-JAC-59	1952 Bradley Building Seventh Floor Front Room	1' x 1' White Fissured Ceiling Tie			
925-JAC-60	1952 Bradley Building Seventh Floor Hall	1' x 1' White Dotted Ceiling Tile			
925-JAC-61	1952 Bradley Building Seventh Floor Hall	Black Glue Daubs to the 1' x 1' Dotted Ceiling			
925-JAC-62	1952 Bradley Building Seventh Floor Hall	White Blown in Insulation			
925-JAC-63	1952 Bradley Building Fifth Floor Hall Connector	12" x 12" Off White Floor Tiles			
925-JAC-64	1952 Bradley Building Fifth Floor E509	White Plaster (Skim)			
925-JAC-65	1952 Bradley Building Fifth Floor E509	White Sheetrock			
925-JAC-66	1952 Bradley Building Fourth Floor Hall	Brown Plaster (Rough)			
925-JAC-67	1952 Bradley Building Third Floor Hall	Brown Plaster (Rough)			
925-JAC-68	1952 Bradley Building Third Floor Hall	Brown Plaster (Rough)			
925-JAC-69	1952 Bradley Building Third Floor Open Area Room	White Magnesium Insulation an Grand [7]			
925-JAC-70	1952 Bradley Building Third Floor Open Area Room	Air Cell Pipe Insulation on Ground			
925-JAC-71	1952 Bradley Building Third Floor Open Area Room	12" x 12" Off White Floor Tiles			
925-JAC-72	1952 Bradley Building Third Floor Open Area Room	White Sheetrock			
925-JAC-73	1952 Bradley Building Fourth Floor	White 1' x 1' Dotted Ceiling Tiles on Ground			
925-JAC-74	1952 Bradley Building Second Floor Cafeteria	Brown Glue Daubs on Ground			
925-JAC-75	1952 Bradley Building Second Floor Cafeteria	Gray Homosote Boards on ground			

OrderID: 041428336

To: Carlos Texidor

Page: 5/20

Date: 10/3/2014 10:25:15 AM 1428336

FUSS & O'NEILL EnviroScience, LLC

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146 Hartford Road, Manchester, CT 06040

Phone (860)646-2469 Fax (860) 649-6883

## SAMPLE LOG FOR ASBESTOS BULKS

Sheet 4 of 4

Project Name: City of Meriden 1 King Place, Meriden, CT

Building: Former Hospital at 1 King Place Meriden, CT

Project No. 20120232.A7E

Project Manager: Carlos Texidor

Sample ID	' Sàmple Location	Material			
925-JAC-76	1952 Bradley Building First Floor Middle Room	Brown 9" x 9" Checkerboard Tile			
925-JAC-77	1952 Bradley Building First Floor Room To Bath	1' X 1' Pinhole Ceiling Tiles			
925-JAC-78	1952 Bradley Building First Floor Entry	Brown Strip Glue on Wood Panel on Ground			
925-JAC-79	Nurses Area Second Floor	White Textured Ceiling Paint on Floor			
925-JAC-80	Nurses Area Fourth Floor	White Textured Ceiling Paint on Floor			
925-JAC-81	Nurses Area Second Floor	White Plaster (Skim)			
925-JAC-82	Nurses Area Second Floor	White Plaster (Rough)			
925-JAC-83	Nurses Area First Floor	Black Paper Under Damaged Wood Floor			
925-JAC-84	North Addition Generator Room	Gray Ceramic Tile Floor Grout			
925-JAC-85	North Addition Generator Room	Yellow Ceramic Floor Backing			
925-JAC-86	Far Southeast Area First Floor Newer Area	White 2' x 4' Ceiling Tiles			
925-JAC-87	Far Southeast Area First Floor Newer Area	Yellow Carpet Mastic on Typical Carpet			
925-JAC-88	Far Southeast Area First Floor Newer Area	12" x 12" Light Brown Floor Tiles			
925-JAC-89	Far Southeast Area First Floor Newer Area	Brown Mastic to 12" x 12" Light Brown Floor			
925-JAC-90	Far Southeast Area First Floor Newer Area	Tiles Black Mastic to 12" x 12 " Light Brown Floor			
925-JAC-91	Far Southeast Area First Floor Newer Area	Gray Spray-on Fireproofing N			
925-JAC-92	Far Southeast Area First Floor Newer Area	White Joint Compound			
925-JAC-93	Far Southeast Area First Floor Newer Area	12" x 12" White with Tan Streaks Effort file			
925-JAC-94	Far Southeast Area First Floor Newer Area	White Sheetrock/Joint Congound			
925-JAC-95	Far Southeast Area First Floor Newer Area	White Plaster (Skim)			
925-JAC-96	Far Southeast Area First Floor Newer Area	White Plaster (Rough)			

Analysis Method: 🗌 PLM

Turnaround Time 24 Hours

9/29/24\_ Please call Based on the tumaround time indicated above, analyses are due to EnviroScience on or before this date: \_ EnviroScience if analyses will not be completed for requested t/a/t at (860) 646-2469.

FAX Results to: 888-838-1160 Total # of Samples: 96

Email Results to Ctexidor@fando.com

Do Not Mail Hard Copy Report

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10-CD

	From: 8567860690	To: Ca
OrderID:	041428336	

FUSS & O'NEILL EnviroScience, LLC

o: Carlos Texidor

Page: 6/20 0 Date: 10/3/2014 10:25:15 AM 0 7 , 4 2 8 3 3 6

www.fando.com

146 Hartford Road, Manchester, CT 06040

Phone (860)646-2469 Fax (860) 649-6883

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Special Instructions: <u>Stop analysis on first positive sample</u> unless indicated.	<u>e in each homogen</u>	eous <u>set o</u>	f samples unless otherwise	noted. Do not layer samples	-
Samples collected by: <u>Coletti</u>	Date: <u>9/14</u>		<b>Time:</b> <u>AM/PM</u>		
Samples Sent by:		_ Date: _ Date:	9-26-14	Time:	
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From: 8567860690 OrderID: 041428336

) To: Carlos Texidor

Page: 7/20

### Andrews, Lisa

From: Sent: To: Cc: Subject:

John Coletti < JColetti@fando.com>

Thursday, October 02, 2014 2:54 PM Andrews, Lisa Carlos Texidor FW: Samples fot EMSL order number 041428336

John Coletti Senior Environmental Technician Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040 860.646.2469 x5558 | jcaletti@fando.com | cell: 860.944.2907 www.fando.com | twitter | facebook | linkedin

From: John Coletti

Sent: Thursday, October 02, 2014 1:51 PM To: 'Landrews@emsl.com' Cc: Carlos Texidor Subject: FW: Samples fot EMSL order number 041428336

John Coletti Senior Environmental Technician Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040 860.646.2469 x5558 | <u>icoletti@fando.com</u> | cell: 860.944.2907 www.fando.com | twitter | facebook | linkedin

From: John Coletti Sent: Tuesday, September 30, 2014 8:46 AM To: 'customerservices@emsl.com' Cc: Carlos Texidor Subject: Samples fot EMSL order number 041428336

To who it may concern:

The following samples for order number 041428336 from the project at 1 King Place in Meriden that were analyzed by PLM need to be analyzed by TEM for 24 hour turnaround. Those samples area as follows:

- 1) 925-JAC-81 (White Skim Plaster)
- 2) 925-JAC-82 (White Rough Plaster)
- 3) 925-JAC-87 (Yellow Carpet Mastic)
- 4) 925-JAC-95 (White Skim Plaster)
- 5) 925-JAC-96 (Whiter Rough Plaster)

Thank you very much.

### John Coletti

Senior Environmental Technician Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040 860.646 2469 x5558 | <u>icoletti@fando.com</u> | cell: 860.944.2907 www.fando.com | twitter | facebook | linkedin

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EMSL Analytical, Inc.   EMSL Analytical, Inc.   EMSL Order 10: 044428396   Customer 10: 0514428396     Developed File   EMSL Order 11: 051400   EMSL Order 10: 0514428396   EMSL Order 10: 0514428396     Developed File   EMSL Order 11: 051400   EMSL Order 10: 051400   EMSL Order 10: 051400     Developed File   EMSL Order 11: 051400   EMSL Order 10: 051400   EMSL Order 10: 051400     Minichester, CT 06040   File   File   (888) 938-1109   EMSL Order 10: 05040     Minichester, CT 06040   Collectod: Minichester, CT Jermer Hospital / 20120232.47E   EMSL Sample 0: 051401   EMSL Sample 0: 051401     Commany Test Report for Abstetion Analysis of Test Main Conceptual   EMSL Sample 0: 051401   EMSL Sample 0: 051401   Minichester     Commany Test Report for Abstetion   Minichester Inchances mechanical mythick gapes former in 12* wide due.   EMS Sample 0: 051401   Minichester     TEST   Data Conceptual Minichester Inchances mechanical mythick gapes former inchances   Comment   Minichester     TEST   Data Conceptual Minichester Inchances mechanical mythick gapes mutation on ground   EMSL Sample 0: 0514428356 0000   Minichester Inchances     TEST   Data Conceptual Minichester Inchances mechanical mythick gapes mutation on ground   EMSL Sample 0: 041428356 0000   Minich		From: 8567860690	To: Carlos	Fexidor	Page: 8/20	Date: 10/3/	2014 10:25:16 AM		
PhoneFar: (200) 220-3675 / (255) 746-5974 http://www.EMSL.com / cinnesbiab@EMSL.com // 146 Hardron Road Manchester, CT 06040 Received: (2627014 Analyzet 1003/2014) Projection: 3026014 Manchester, CT 06040 Received: (2627014 Analyzet 1003/2014) Projection: 3026014 Polarized Light Microscopy Class Software Report for Asbestos Analyzeis of Burk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Class Software Report for Asbestos Analyzeis of Burk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Class Software Report for Asbestos Analyzeis of Burk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Class Software Report for Asbestos Analyzeis of Burk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Class Software Report for Asbestos Analyzeis of Burk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Class Software Report for Asbestos Analyzeis of Burk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Class Software Report for Asbestos Analyzeis of Burk Material via EPA 600/R-93/116 Method via TEST Die Color Pitrous NewFibrou TEST Die Color Pitrous NewFibrou TEST Die Color Pitrous NewFibrou TEST Die Color Pitrous NewFibrou TEST Die Color Pitrous NewFibrou Asbestos Comment TEST Die Color Pitrous NewFibrou Asbestos Comment TES		EMSL Analytical,	Inc.			[			
Inter/Work/EMSL.com     Inter/Work/EMSL.com       Attr:     Carlos Texidor     Phone:     (660) 646-2469       Fuess & Ontell EnvironScience, LLC     Fax:     (680) 8438-1160       146 Hartford Road     Collected:     Analyzed:     10/03/2014       Proj:     City of Mariden 1 King Place, Mariden, CT / Former Hospital / 20120232.ATE     Lab Sample D:     928-2014       Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via     Polarized Light Microscopy     Lab Sample D:     84142336-6001       Sample Description:     1098 Bulking lest toornerheast mechanical mWikis paper tomery on 12 wise due.     Lab Sample D:     94142336-6001       TEST     Date     Color     Fibrous Non-Fibroux     Asbestos     Comment       TEST     Date <td>(EMED)</td> <td>200 Route 130 North Cinn</td> <td>aminson, NJ 0</td> <td>8077</td> <td></td> <td></td> <td>Customer PO:</td> <td>20120232.A7E</td>	(EMED)	200 Route 130 North Cinn	aminson, NJ 0	8077			Customer PO:	20120232.A7E	
Attr:     Cartos Texidor     Phone:     (860) 646-2469       146 Hardrar Road     Collected:     R88) 838-1160       Manchester, CT     06040     Received:     926/2014       Proj:     City of Menden 1 King Place, Menden, CT / Former Haspital / 20120232.A7E     Lab Sample ID:     04142836-0001       Sample Description:     1988 Building fint foor northwat mechanical mrWhite paper formely on 12* wide duz     Comment     Edit Sample ID:     04142836-0001       Sample Description:     1988 Building fint foor northwat mechanical mrWhite loon in instation on ground     Asbestos     Comment       TEST     Date     Color     FBroux Non-Rhoux     Asbestos     Comment       FLM     9272014     White     975     12% Chrystelle     Comment       Citers Sample ID:     925-AG-2     Nine Abertos     Comment     Edit Sample ID:     04142838-6003       Glient Sample ID:     925-AG-3     Color     FBroux Non						l	Project ID:	)	
Fuss & Otherit EnviroScience, LLC Fax: (888) 838-1160   146 Handrond Road Collected: Received: 9/28/2014   Manchester, CT 06040 Received: 9/28/2014   Proj: Cky of Mariden 1 King Place, Mariden, CT / Former Hospital / 20120232.475 Lab Sample 10: 01/42836-0001   Sample 10: 025-JAC-1 Lab Sample 10: 01/42836-0001   Sample 10: 025-JAC-2 Non-Asbetrics Comment   TEST Date Color Florous Non-Florous Asbetrics Comment   TLM 9/27/2014 Wittle 50% 13% 13% 13%   Cliant Sample 10: 025-JAC-3 Color Florous Non-Florous Asbetrics Comment   TLM 1068 Building fest foor nonthwoat mochanical mr/White Internation on ground Color Florous Non-Florous Asbetrics Comment   TLM 1068 Building fest foor nonthwoat mochanical mr/White Internation on ground Lab Sample 10: 041428336-6003   Glant Sample 10: 927/2014 White 72% 22% <td>₩</td> <td>http://www.EMSL.com / cir</td> <td>nasblab@EMS</td> <td><u>\$L.com</u></td> <td></td> <td></td> <td><u></u></td> <td></td>	₩	http://www.EMSL.com / cir	nasblab@EMS	<u>\$L.com</u>			<u></u>		
Fuss & Otherit EnviroScience, LLC Fax: (888) 838-1160   146 Handrond Road Collected: Received: 9/28/2014   Manchester, CT 06040 Received: 9/28/2014   Proj: Cky of Mariden 1 King Place, Mariden, CT / Former Hospital / 20120232.475 Lab Sample 10: 01/42836-0001   Sample 10: 025-JAC-1 Lab Sample 10: 01/42836-0001   Sample 10: 025-JAC-2 Non-Asbetrics Comment   TEST Date Color Florous Non-Florous Asbetrics Comment   TLM 9/27/2014 Wittle 50% 13% 13% 13%   Cliant Sample 10: 025-JAC-3 Color Florous Non-Florous Asbetrics Comment   TLM 1068 Building fest foor nonthwoat mochanical mr/White Internation on ground Color Florous Non-Florous Asbetrics Comment   TLM 1068 Building fest foor nonthwoat mochanical mr/White Internation on ground Lab Sample 10: 041428336-6003   Glant Sample 10: 927/2014 White 72% 22% <td>Attn: Carlos ]</td> <td>Fexidor</td> <td></td> <td></td> <td>Phone</td> <td>e: (860</td> <td>) 646-2469</td> <td></td>	Attn: Carlos ]	Fexidor			Phone	e: (860	) 646-2469		
Manchester, CT 00040 Received: Analyzed: 10/03/2014   Proj: City of Meriden 1 King Place, Meriden, CT / Former Hospital / 20120224.AFE   Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Lab Sample /D: 0 41428386 0001   Citer Sample Description: 1588 Building inst foor nortweet mechanical moVibite paper formerly on 12* wide dust Lab Sample /D: 0 41428386 0001   TEST Date Color Floreux Non-Floreux Non-Asbestos Absetos Comment   TEST Date Color Floreux Non-Floreux Non-Asbestos Comment Lab Sample /D: 0 41428386 0002   Sample Description: 1988 Building first foor nortweet mechanical moVibite blow-in insulation on ground Lab Sample /D: 0 41428386 0002   TEST Date Color Floreux Non-Floreux Non-Abset on ground Lab Sample /D: 0 41428386 0003   TEST Date Color Floreux Non-Floreux Non-Floreux Asbestos Comment   TEST Date Color Floreux Non-Floreux Asbestos Comment					Fax:	•	,		
Analyzed 10/03/2014   Proj: City of Meinden 1 King Place, Meriden, CT / Former Hospital / 20120222, 27E   Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Lab Sample D: 04142838-0001   Sample Description: 1088 Building fist four northwest impolarized Light Microscopy Lab Sample D: 04142838-0001   TEST Date Color Fibrous Non-Fibrous Abestos Comment   FLM 027/2014 Whito 00% 38% 12% Chrysoffie   Citer Sample Description: 1968 Building first four northwest mechanical meWhite Blown in insulation on ground Lab Sample D: 04142838-0002   Sample Description: 1968 Building first four northwest mechanical meWhite Blown in insulation on ground Lab Sample D: 04142838-0002   TEST Date Color Fibrous Abestos Comment   FLM 027/2014 Whito 075 10% Non-Abestos   TEST Date Color Fibrous Abestos Comment   FLM 027/2014 Whito 075 22% 6% Comment   FLM 027/2014 Whito 72% 22% 6% Comment   FLM 027/2014 Whito 72% 22%	146 Har								
Prof. City of Meriden 1 King Place, Meriden, CT / Former Hospital / 20120232.A7E     Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy     Client Sample Dis   Calor Sample Discription:   Lab Sample Dis   0.001/2.000/R-93/116 Method via Polarized Light Microscopy     Client Sample Discription:   Calor Color Fibrous Non-Fibrous Asbestos Comment     TEST   Date   Color Fibrous Non-Fibrous Asbestos Comment     Control Visite Building fielt foor non-thread mechanical mr/White Blown-In Insulation on ground     Mary Color Fibrous Non-Fibrous Asbestos Comment     Control Fibrous Non-Fibrous Asbestos Comment     Comment     Color Fibrous Non-Fibrous Asbestos Comment     Comment     Color Fibrous Non-Fibrous Asbestos Comment     Comment     Color Fibrous Non-Fibrous Asbestos Comment     Cont Sample Dis Office Fibrous Non-Fibrous As	Manche	ster, CT 06040							
Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy     Lab Sample ID: 04142836-0001       Client Sample ID: 025-JAC-1     Lab Sample ID: 04142836-0001       Sample ID: 025-JAC-1     Lab Sample ID: 04142836-0001       Sample ID: 025-JAC-1     Lab Sample ID: 04142838-0002       Test Date Color Florous Non-Florous Asbestos     Comment       PLM 9/27/2014 White 90% 10% Non-Florous Asbestos     Comment       Color Florous Non-Florous Asbestos     Comment       PLM 9/27/2014 White Octor Florous Non-Florous Asbestos     Comment       Color Florous Non-Florous Asbestos     Comment       Color Florous Non-Florous Asbestos     Comment       PLM 9/27/2014 White Octor Florous Non-Florous Asbestos     Comment       Color Florous Non-Florous Asbestos     Comment       PLM 9/27/2014 White Coler Florous Non-Florous Asbestos     Comment       Color Florous Non-Florous Asbestos     Comment       Color Florous Non-Florous Asbestos     Comment <th colspan<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>3/2014</td><td></td></th>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3/2014</td> <td></td>							3/2014	
Color Sample Description: Lab Sample D: Cala Sa	Proj: City of N	Meriden 1 King Place, Meride	n, CT / Former	Hospital /	20120232.A7	Έ			
Client Sample (D:     925-JAC-1     Lab Sample (D:     941428336-0001       Sample Description:     1966 Building linst floor northwest mechanical m/White paper formerly on 12° wide duct     Lab Sample (D:     941428336-0001       TEST     Date     Color     Fibrous     Non-Abbestos     Comment       PLM     9/27/2014     White     50%     38%     12% Chrysotile       Client Sample (D:     925-JAC-2     Lab Sample (D:     041428336-0002       Sample Bescription:     1985 Building first floor northwest mechanical m/White blown-in insulation on ground     Analyzed     Non-Abbestos       TEST     Date     Color     Fibrous     Non-Fibrous     Abbestos       TEST     Date     Color     Fibrous     Non-Abbestos     Comment       PLM     927-2014     White     90%     Non-Abbestos     Comment       FEST     Date     Color     Fibrous     Non-Abbestos     Comment       PLM     927-2014     White     90%     10%     Chrysotile     Color       Client Sample (D:     925-JAC-4     Date     Color     Fibrous	Sur	nmary Test Report for <i>I</i>	Asbestos An	alysis o	f Bulk Mate	erial via EPA	600/R-93/116 Me	thod via	
Sample Description:   1968 Building first foor northwest mechanical m/White paper formerly on 12° wide dust   Comment   Comment     TEST   Date   Color   Fibrous   Non-Asbestos   Comment     Cilent Sample Di   925-JAC-2   Lab Sample Di:   925-JAC-2   Lab Sample Di:   041428336-0002     Sample Description:   1989 Building first floor northwest mechanical m/White blows-in insulation on ground   Asbestos   Comment   941428336-0002     TEST   Date   Color   Fibrous   Asbestos   Comment   941428336-0003     Sample Description:   1988 Building first floor northwest mechanical m/White pipe insulation on ground   Lab Sample D:   041428336-0003     Sample Description:   1988 Building first floor northwest mechanical m/White pipe insulation on ground   Lab Sample D:   041428336-0003     TEST   Date   Color   Fibrous   Non-Abbestos   Comment   1428338-0004     Sample Description:   1988 Building first floor northwest mechanical m/White pipe insulation on ground   Lab Sample D:   041428336-0005     Cilent Sample D:   025-JAC-4   Sample D:   041428336-0005   Comment   1428336-0005     Sample Description:   1988 Building first floor northw			Pola	rized Liç	ht Microso	юру			
Non-Abbesion Converting Converting Abbesion Comment   PLM 9/27/2014 While 50% 35% 12% Chrysolile   Client Sample ID: 9/27/2014 While 50% 35% 12% Chrysolile   TEST Date Color Fibrous Non-Abbesios Comment   TEST Date Color Fibrous Non-Abbesios Comment   TEST Date Color Fibrous Non-Abbesios Comment   Client Sample ID: 9/27/2014 While 90% 10% Non-Abbesios   Client Sample ID: 9/27/2014 While 90% 10% Non-Abbesios   TEST Date Color Fibrous Non-Abbesios Comment   TEST Date Color Fibrous Asbesios Comment   TEST Date Color Fibrous Asbesios Comment   TEST Date Color Fibrous Asbesios Comment   TEST Date Color Fibrous Non-Abbesios Comment   TEST Date Color Fibrous Non-Abbesios Comment   TEST Date Color Fibr	Client Sample ID:	925-JAC-1					Lab Sample ID;	041428336-0001	
TESTDateColorFibrousNon-FibrousAbsestosCommentPLM9/27/2014White50%38%12%ChrysotileGener Sample De925-JAC-4Lab Sample De041428336-0002Sample Description927/2014White90%Non-AsbestosCommentTESTDateColorFibrousNon-AsbestosCommentTESTDateColorFibrousNon-AsbestosCommentClent Sample De927/2014White90%10%None DetectedClent Sample De925-JAC-4Lab Sample De041428336-0003Sample Description1968 Building first floor northwest mechanical mWMite pipe insulation on groundLab Sample DeTESTDateColorFibrousNon-AsbestosCommentTESTDateColorFibrousNon-AsbestosCommentFEM925-JAC-4Lab Sample ID:925-JAC-4Lab Sample ID:Sample Description:1985 Building first floor northwest mechanical mWMite mudded fitting insulation on groundLab Sample ID:FEMDateColorFibrousAsbestosCommentFEMDateColorFibrousAsbestosCommentFEMDateColorFibrousAsbestosCommentFEMDateColorFibrousStabestosCommentFEMDateColorFibrousAsbestosCommentFEMDateColorFibrousStabestosComment	Sample Description:	1968 Building first floor northwo	est mechanical rm/	Nhite paper	formerly on 12" w	vide duct			
TESTDateColorFibrousNon-FibrousAbsestosCommentPLM9/27/2014White50%38%12%ChrysotileGener Sample De925-JAC-4Lab Sample De041428336-0002Sample Description927/2014White90%Non-AsbestosCommentTESTDateColorFibrousNon-AsbestosCommentTESTDateColorFibrousNon-AsbestosCommentClent Sample De927/2014White90%10%None DetectedClent Sample De925-JAC-4Lab Sample De041428336-0003Sample Description1968 Building first floor northwest mechanical mWMite pipe insulation on groundLab Sample DeTESTDateColorFibrousNon-AsbestosCommentTESTDateColorFibrousNon-AsbestosCommentFEM925-JAC-4Lab Sample ID:925-JAC-4Lab Sample ID:Sample Description:1985 Building first floor northwest mechanical mWMite mudded fitting insulation on groundLab Sample ID:FEMDateColorFibrousAsbestosCommentFEMDateColorFibrousAsbestosCommentFEMDateColorFibrousAsbestosCommentFEMDateColorFibrousStabestosCommentFEMDateColorFibrousAsbestosCommentFEMDateColorFibrousStabestosComment									
PLM     9/27/2014     White     50%     38%     12%     Chrysotile       Cleart Sample Oescription:     1968 Building first floor northwest mechanical mVWhite blown-in insulation on ground     Lab Sample ID:     041428336-0002       Sample Description:     1968 Building first floor northwest mechanical mVWhite blown-in insulation on ground     Analyzed     Non-Asbestos     Comment       TEST     Date     Color     Fibrous     Non-Asbestos     Comment       PLM     9/27/2014     White     90%     10%     None Detected       Cleart Sample ID:     9/25-JAC-3     Lab Sample ID:     041428336-0003       Sample Description:     1968 Building first floor northwest mechanical mrWhite pipe insulation on ground     Analyzed     Non-Asbestos       TEST     Date     Color     Fibrous     Asbestos     Comment       PLM     9/27/2014     White     72%     2%     6%     Chrysotile       Cleart Sample ID:     925-JAC-4     Lab Sample ID:     041428336-0004       Sample Description:     1968 Building first floor northwest mechanical mrWhite mudded fittig insulation on ground     Analyzed     Non-Asbestos  <	TECT	•	Color			Åebester	Commont		
Client Sample ID:   925-JAC-2   Lab Sample ID:   941428336-0002     Sample Description:   1986 Building first foor northwest mechanical rm/White blow-in insulation on ground   Lab Sample ID:   941428336-0002     TEST   Date   Color   Fibrous   Asbestos   Comment     Client Sample ID:   925-JAC-3   Lab Sample ID:   941428336-0003     Sample Description:   1988 Building first floor northwest mechanical rm/White pipe insulation on ground   Lab Sample ID:   041428336-0003     TEST   Date   Color   Fibrous   Asbestos   Comment     TEST   Date   Color   Fibrous   Asbestos   Comment     FEM   Date   Color   Fibrous   Asbestos   Comment     FLM   927/2014   White   6%   27%   6%   Chy									
Sample Description:   1988 Building lists foor northwest mechanical mr/White blown-in insulation on ground   Asbestos   Comment     PLM   9/27/2014   White   9/0%   10%   Non-Asbestos     Clarr Sample Description:   1927/2014   White   9/0%   10%   None Detected     Clarr Sample Description:   1928/2014   White   9/0%   10%   None Detected     Clarr Sample Description:   1928/2014   White   9/0%   22%   6%   Comment   Lab Sample De:   041428338-0003     Sample Description:   1928/2014   White   7/2%   22%   6%   Comment   Lab Sample De:   041428338-0004     Sample Description:   1928/2014   White   7/2%   22%   6%   Comment   Lab Sample De:   041428338-0004     Sample Description:   1928/2014   White   6/0%   27%   6%   Chrystelle   Lab Sample De:   041428338-0004     Sample Description:   1928/2014   White   6/0%   27%   6%   Chrystelle   Lab Sample De:   041428338-0005     Sample Description:   1927/2014   White   6/0%   27			441mG	0078	0075	1270 Onlysom		041429226 0002	
Analyzed Non-Asbestos Comment   PLM 927/2014 White 90% 10% None: Detected   Client Sample ID: 925-JAC-3 Lab Sample ID: 041428336-0003   Sample Description: 1968 Building first floor northwest mechanical m/White pipe insulation on ground Lab Sample ID: 041428336-0003   TEST Date Color Fibrous Non-Fibrous Asbestos Comment   PLM 9/27/2014 White 72% 22% 6% Chrysotile   Client Sample ID: 925-JAC-4 Lab Sample ID: 041428336-0004   Sample Description: 1968 Building first floor northwest mechanical m/White mudded fitting insulation on ground Lab Sample ID: 041428336-0004   Sample Description: 1968 Building first floor northwest mechanical m/White mudded fitting insulation on ground Lab Sample ID: 041428336-0004   Sample Description: 1968 Building first floor northwest mechanical m/Black batting insulation on ground Lab Sample ID: 041428336-0005   TEST Date Color Fibrous Non-Fibrous Asbestos Comment   PLM 927/2014 White 069% 27% 8% Chrysotile   Client Sample ID: 927/2014 Black 20% 8% Comment   PLM 927/2014 Bla	-			A (1-1)		<b>I</b>	Lab Sample ID;	041428336-0002	
TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment     PLM   927/2014   White   90%   10%   None Detexted     Client Sample (D):   925-JAC-3   Lab Sample (D):   04128336-0003     Sample Description:   1988 Building first floor northwest mechanical m/White pipe insulation on ground   Asbestos   Comment     TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment     PLM   927/2014   White   72%   2%   6%   Chrysofile      Client Sample (D):   925-JAC-4   Lab Sample (D):   041428336-0004       Sample Description:   1968 Building first floor northwest mechanical m/White mudded fitting insulation on ground   Lab Sample (D):   041428336-0004     Sample Description:   1968 Building first floor northwest mechanical m/White mudded fitting insulation on floorus   Comment   Lab Sample (D):   041428336-0005     Sample Description:   1968 Building first floor northwest mechanical m/White pipe insulation on floorus   Kabestos   Comment   Lab Sample (D):   041428336-0005     Sample Description:   1968 Building first floor northwest mechanical m/Off-white yN fl	Sample Description.	1968 Building first floor northwe	est mechanicai rm/	/vnite blown-	in insulation on g	jrouna			
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White90%10%None DetectedMained DetectedMained DetectedCilent Sample ID:925-JAC-3Sample Description1988 Building first floor northwest mechanical m/White pipe insulation on groundAsbestosCommentMained DetectedTESTDateColorFibrousNon-AsbestosAsbestosCommentCommentPLM9/27/2014White72%22%6%Chrysofile041428336-0004Sample Description1988 Building first floor northwest mechanical m/White mudded fitting insulation on groundMained Detected041428336-0004Sample Description1988 Building first floor northwest mechanical m/White mudded fitting insulation on groundAsbestosCommentPLM9/27/2014White65%27%8%Chrysofile041428336-0005PLM9/27/2014White65%27%8%Chrysofile041428336-0005PLM9/27/2014White65%27%8%Comment14128336-0005Sample Description:1988 Building stativedi from mechanical to 2nd fir/Off-white Sub Non-FibrousAsbestosComment14128336-0005TESTDateColorFibrousNon-AsbestosComment14128336-0005Sample Description:1988 Building stativedi from mechanical to 2nd fir/Off-white Sub Sub ChrysofileComment14128336-0005TESTDateColorFibrousNon-Fibrous <t< td=""><td></td><td>Analyzed</td><td></td><td>Non-A</td><td>sbestos</td><td></td><td></td><td></td></t<>		Analyzed		Non-A	sbestos				
Client Sample ID: 925-JAC-3 Lab Sample ID: 041428336-0003   Sample Description: 1968 Building first floor northwest mechanical rm/White pipe insulation on ground Analyzed Non-Asbestos Comment   TEST Date Color Fibrous Non-Fibrous Asbestos Comment   PLM 9/27/2014 White 72% 22% 6% Chrysotile   Client Sample ID: 925-JAC-4 Lab Sample ID: 041428336-0004   Sample Description: 1988 Building first floor northwest mechanical rm/White mudded fitting insulation on ground Lab Sample ID: 041428336-0004   Sample Description: 1988 Building first floor northwest mechanical rm/White mudded fitting insulation on ground Lab Sample ID: 041428336-0004   TEST Date Color Fibrous Non-Asbestos Comment   PLM 9/27/2014 White 65% 27% 8% Chrysotile   Client Sample ID: 92472014 White 65% 27% 8% Chrysotile   Client Sample ID: 925-JAC-5 Lab Sample ID: 041428336-0005   Sample Description: 1968 Building first floor northwest mechanical rm/Black batting insulation on fiborglass pipe on ground Color Fibrous Non-Asbestos   TEST Date Col	TEST	-	Color	Fibrous N	on-Fibrous	Asbestos	Comment		
Sample Description: 1968 Building list floor northwest mechanical m/White pipe insulation on ground   TEST Color Fibrous Non-Fibrous Asbestos Comment   PLM 9/27/2014 White 72% 2% 6% Chrysotile   Client Sample D: 9/27/2014 White 72% 2% 6% Chrysotile   Client Sample D: 9/27/2014 White 72% 2% 6% Chrysotile   Client Sample D: 9/27/2014 White 72% 2% 6% Chrysotile   TEST Date Color Fibrous Non-Fibrous Asbestos   TEST Date Color Fibrous Non-Fibrous Asbestos Comment   PLM 9/27/2014 White 6% 27% 8% Chrysotile   Client Sample D: 9/25/JAC-5   Lab Sample D: 041428336-0005   Sample Description: 1968 Building first floor northwest mechanical m/Black batting insulation on fiberglass pipe on ground Lab Sample D: 041428336-0005   TEST Date Color Fibrous Non-Fibrous Asbestos Comment   Client Sample D: 9/27/2	PLM	9/27/2014	White	90%	10%	None Detect	ed		
Analyzed Non-Asbestos Comment   PLM 9/27/2014 White 72% 22% 6% Chrysotile   Citent Sample ID: 9/25-JAC-4 Lab Sample ID: 041428336-0004   Sample Description: 1968 Building first floor northwest mechanical m/White mudded fitting insulation on ground Asbestos Comment   TEST Date Color Fibrous Non-Asbestos Comment   PLM 9/27/2014 White 65% 27% 8% Chrysotile   Client Sample ID: 9/25-JAC-5 Lab Sample ID: 041428336-0005   Sample Description: 1968 Building first floor northwest mechanical m/White studien on fiberglass pipe on ground Lab Sample ID: 041428336-0005   Sample Description: 1968 Building first floor northwest mechanical m/Black batting insulation on fiberglass pipe on ground Asbestos Comment   TEST Date Color Fibrous Non-Asbestos Comment   PLM 9/27/2014 Black 20% 80% None Detected   Client Sample ID: 9/25-JAC-6 Lab Sample ID: 041428336-0006   Sample Description: 1968 Building stainwell from mechanical to 2nd fit/Off-white 9x9 floor tiles (broken) Asbestos Comment   PLM 9/27/2014 Black 20% 80%	Client Sample ID:	925-JAC-3					Lab Sample ID:	041428336-0003	
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White72%22%6%ChrysofileClient Sample ID:925-JAC-4Lab Sample ID:041428336-0004Sample Description:1968 Building first floor northwest mechanical rm/White mudded fitting insulation on groundAsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White65%27%8% Chrysofile041428336-0005Sample Description:9/25/JAC-51968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground041428336-0005Sample Description:1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground041428336-0005TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014Black20%80%None DetectedSample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0007Sample D	Sample Description:	1968 Building first floor northwe	est mechanical rm/	Nhite pipe in	sulation on grour	nd			
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White72%22%6%ChrysofileClient Sample ID:925-JAC-4Lab Sample ID:041428336-0004Sample Description:1968 Building first floor northwest mechanical rm/White mudded fitting insulation on groundAsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White65%27%8% Chrysofile041428336-0005Sample Description:9/25/JAC-51968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground041428336-0005Sample Description:1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground041428336-0005TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014Black20%80%None DetectedSample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stairwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0007Sample D		_			_				
PLM   9/27/2014   White   72%   22%   6%   Chrysotile     Client Sample ID:   925-JAC-4   Lab Sample ID:   041428336-0004     Sample Description:   1968 Building first floor northwest mechanical mr/White mudded fitting insulation on ground   Analyzed   Non-Asbestos   Comment     TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment     PLM   9/27/2014   White   65%   27%   8%   Chrysotile     Client Sample ID:   925-JAC-5   Lab Sample ID:   041428336-0005     Sample Description:   1968 Building first floor northwest mechanical mr/Black batting insulation on fiberglass pipe on ground   Non-Asbestos   Comment     TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment     PLM   9/27/2014   Black   20%   80%   None Detected   Color     Client Sample ID:   925-JAC-6   Lab Sample ID:   041428336-0006     Sample Description:   1968 Building stainwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)   Lab Sample ID:   041428336-0006     TEST   Date   Color   Fibrous <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-							
Clent Sample ID: 925-JAC-4 Lab Sample ID: 041428336-0004   Sample Description: 1968 Building first floor northwest mechanical mr/White mudded fitting insulation on ground Lab Sample ID: 041428336-0004   TEST Date Color Fibrous Non-Asbestos Comment   PLM 925-JAC-5 Lab Sample ID: 041428336-0005   Sample Description: 1968 Building first floor northwest mechanical mr/Black batting insulation on fiberglass pipe on ground Comment Lab Sample ID: 041428336-0005   Sample Description: 1968 Building first floor northwest mechanical mr/Black batting insulation on fiberglass pipe on ground Comment Lab Sample ID: 041428336-0005   TEST Date Color Fibrous Non-Fibrous Asbestos Comment   PLM 9/27/2014 Black 20% 80% None Detected   Client Sample ID: 925-JAC-6 Lab Sample ID: 041428336-0006   Sample Description: 1968 Building stainvell from mechanical to 2nd fit/Off-white 9x9 floor tiles (broken) Asbestos Comment   PLM 9/27/2014 White 0% 96% 4% Chrysotile   Client Sample ID: 925-JAC-7 Lab Sample ID: 041428336-0007   TEST Date Color Fibrous Asbestos <									
Sample Description: 1968 Building first floor northwest mechanical rm/White mudded fitting insulation on ground   Sample Description: 1968 Building first floor northwest mechanical rm/White mudded fitting insulation on ground   TEST Date Color Fibrous Asbestos   Color Color Fibrous Non-Asbestos   Color Fibrous Non-Asbestos   Color Fibrous Non-Asbestos   Color Fibrous Asbestos   Color Fibrous Non-Asbestos   Color Fibrous Non-Asbestos   Color Fibrous Asbestos Comment   PLM 9/27/2014 Black 20% Rom-Asbestos   TEST Date Color Fibrous Asbestos   Color Fibrous Asbestos   Color Fibrous Asbestos   Color Fibrous Asbestos   Color Fibrous Asbestos <th< td=""><td>PLM</td><td>9/27/2014</td><td>White</td><td>72%</td><td>22%</td><td>6% Chrysotile</td><td>)</td><td></td></th<>	PLM	9/27/2014	White	72%	22%	6% Chrysotile	)		
TEST Date Color Fibrous Asbestos Comment   PLM 9/27/2014 White 65% 27% 8% Chrysotile   Client Sample ID: 9/27/2014 White 65% 27% 8% Chrysotile   Client Sample ID: 9/27/2014 White 65% 27% 8% Chrysotile   Lab Sample ID: 0/11/28336-0005   Sample Description: 1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground Asbestos Comment   TEST Date Color Fibrous Non-Fibrous Asbestos Comment   PLM 9/27/2014 Black 20% 80% None Detected Color   Analyzed Non-Asbestos   TEST Date Color Fibrous Asbestos   Client Sample ID: 9/27/2014 Black 20% 80% None Detected   Sample Description: 1968 Building stainwell from mechanical to 2nd fir/Off-white 9x9 floor tiles (broken)   TEST Date Color Fibrous Non-Fibrous	-						Lab Sample ID:	041428336-0004	
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White65%27%8% ChrysotileClient Sample ID:925-JAC-5Lab Sample ID:041428336-0005Sample Description:1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on groundNon-AsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014Black20%80%None DetectedPLM9/27/2014Black20%80%None DetectedSample Description:1968 Building stainwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stainwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006TESTDateColorFibrousNon-FibrousAsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentClient Sample ID:9/27/2014White0%96%4% ChrysotileClient Sample ID:9/27/2014White0%96%4% ChrysotileClient Sample ID:9/27/2014White0%96%4% ChrysotileClient Sample ID:9/27/2014White0%96%4% ChrysotileSample Description:1968 Building stainwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tilesLab Sample ID:041428336-0007	Sample Description:	1968 Building first floor northwo	est mechanical rm/	White mudde	d fitting insulation	n on ground			
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White65%27%8% ChrysotileClient Sample ID:925-JAC-5Lab Sample ID:041428336-0005Sample Description:1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on groundNon-AsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014Black20%80%None DetectedPLM9/27/2014Black20%80%None DetectedSample Description:1968 Building stainwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006Sample Description:1968 Building stainwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)Lab Sample ID:041428336-0006TESTDateColorFibrousNon-FibrousAsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentClient Sample ID:9/27/2014White0%96%4% ChrysotileClient Sample ID:9/27/2014White0%96%4% ChrysotileClient Sample ID:9/27/2014White0%96%4% ChrysotileClient Sample ID:9/27/2014White0%96%4% ChrysotileSample Description:1968 Building stainwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tilesLab Sample ID:041428336-0007		Applyzod		Non A	shastas				
PLM   9/27/2014   White   65%   27%   8% Chrysotile     Client Sample ID:   925-JAC-5   Lab Sample ID:   041428336-0005     Sample Description:   1968 Building first floor northwest mechanical mr/Black batting insulation on fiberglass pipe on ground   Non-Asbestos   Comment     TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment     PLM   9/27/2014   Black   20%   80%   None Detected   Lab Sample ID:   041428336-0006     Client Sample ID:   9/25-JAC-6   Lab Sample ID:   041428336-0006   Lab Sample ID:   041428336-0006     Sample Description:   1968 Building stainwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)   Lab Sample ID:   041428336-0006     Sample Description:   1968 Building stainwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)   Lab Sample ID:   041428336-0007     Client Sample ID:   9/27/2014   White   0%   96%   4% Chrysotile     FLM   9/27/2014   White   0%   96%   4% Chrysotile   Lab Sample ID:   041428336-0007     Glient Sample ID:   9/27/2014   White   0%   96%   <	TEST	-	Color			Asbestos	Comment		
Sample Description:   1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground     Sample Description:   1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground     TEST   Date   Color   Fibrous   Non-Asbestos   Comment     PLM   9/27/2014   Black   20%   80%   None Detected     Client Sample ID:   925-JAC-6   Lab Sample ID:   041428336-0006     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)   Asbestos   Comment     TEST   Date   Color   Fibrous   Non-Asbestos   Comment     PLM   9/27/2014   White   0%   96%   4%   Chrysotile     PLM   9/27/2014   White   0%   96%   4%   Chrysotile     PLM   9/27/2014   White   0%   96%   4%   Chrysotile     Client Sample ID:   925-JAC-7   Lab Sample ID:   041428336-0007   Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles   Lab Sample ID:   041428336-0007     Sample Description:   <							;		
Sample Description:   1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground     Sample Description:   1968 Building first floor northwest mechanical rm/Black batting insulation on fiberglass pipe on ground     TEST   Date   Color   Fibrous   Non-Asbestos   Comment     PLM   9/27/2014   Black   20%   80%   None Detected     Client Sample ID:   925-JAC-6   Lab Sample ID:   041428336-0006     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)   Asbestos   Comment     TEST   Date   Color   Fibrous   Non-Asbestos   Comment     PLM   9/27/2014   White   0%   96%   4%   Chrysotile     PLM   9/27/2014   White   0%   96%   4%   Chrysotile     PLM   9/27/2014   White   0%   96%   4%   Chrysotile     Client Sample ID:   925-JAC-7   Lab Sample ID:   041428336-0007   Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles   Lab Sample ID:   041428336-0007     Sample Description:   <	Client Sample ID:	925-JAC-5					Lab Sample ID:	041428336-0005	
Analyzed Non-Asbestos   TEST Date Color Fibrous Non-Fibrous Asbestos   PLM 9/27/2014 Black 20% 80% None Detected   Client Sample ID: 925-JAC-6 Lab Sample ID: 041428336-0006   Sample Description: 1968 Building stairwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken) Asbestos Comment   TEST Date Color Fibrous Non-Asbestos Comment   PLM 9/27/2014 White 0% 96% 4% Chrysotile   PLM 9/27/2014 White 0% 96% 4% Chrysotile   Client Sample ID: 925-JAC-7 Lab Sample ID: 041428336-0007   Sample Description: 1968 Building stainwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles Comment   PLM 9/27/2014 White 0% 96% 4% Chrysotile   Client Sample ID: 925-JAC-7 Lab Sample ID: 041428336-0007   Sample Description: 1968 Building stainwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles Lab Sample ID: 041428336-0007   Sample Description: 1968 Building stainwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles Asbestos Comment	•		est mechanical rm/l	Black batting	insulation on fibe	eralass nine			
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014Black20%80%None DetectedClient Sample ID:925-JAC-6Lab Sample ID:041428336-0006Sample Description:1968 Building stairwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)041428336-0006TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White0%96%4% ChrysotilePLM9/27/2014White0%96%4% ChrysotileClient Sample ID:925-JAC-7Lab Sample ID:041428336-0007Sample Description:1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tilesLab Sample ID:041428336-0007TESTDateColorFibrousNon-AsbestosLab Sample ID:041428336-0007TESTDateColorFibrousNon-AsbestosLab Sample ID:041428336-0007		looo Ballallig liiot lool Holalin		Jaok Baking		ergidee pipe			
PLM   9/27/2014   Black   20%   80%   None Detected     Client Sample ID:   925-JAC-6   Lab Sample ID:   041428336-0006     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)   Lab Sample ID:   041428336-0006     Manalyzed   Non-Asbestos   Comment   Comment   Comment     PLM   9/27/2014   White   0%   96%   4% Chrysotile     Client Sample ID:   925-JAC-7   Lab Sample ID:   041428336-0007     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles   Asbestos   Comment     FILM   9/27/2014   White   0%   96%   4% Chrysotile   Lab Sample ID:   041428336-0007     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles   Lab Sample ID:   041428336-0007     Sample Description:   1968 Building stairwell from Techanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles   Comment   Lab Sample ID:   041428336-0007     TEST   Date   Color   Fibrous   Non-Asbestos   Comment   Comment		Analyzed		Non-A:	sbestos				
Client Sample ID:   925-JAC-6   Lab Sample ID:   041428336-0006     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)   Lab Sample ID:   041428336-0006     TEST   Date   Color   Fibrous   Non-Asbestos   Comment     PLM   9/27/2014   White   0%   96%   4% Chrysotile     Client Sample ID:   925-JAC-7   Lab Sample ID:   041428336-0007     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles   Comment     TEST   Date   Color   Fibrous   Non-Asbestos     TEST   Date   Color   Fibrous   Non-Asbestos     TEST   Date   Color   Fibrous   Non-Asbestos     TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment	TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment		
Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Off-white 9x9 floor tiles (broken)     Analyzed   Non-Asbestos     TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment     PLM   9/27/2014   White   0%   96%   4%   Chrysotile     Client Sample ID:   925-JAC-7   Lab Sample ID:   041428336-0007     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles   Lab Sample ID:   041428336-0007     TEST   Date   Non-Asbestos     TEST   Date   Color   Fibrous   Asbestos   Comment     TEST   Date   Color   Fibrous   Non-Fibrous   Asbestos   Comment	PLM	9/27/2014	Black	20%	80%	None Detect	ed		
Analyzed Non-Asbestos   TEST Date Color Fibrous Non-Fibrous Asbestos   PLM 9/27/2014 White 0% 96% 4% Chrysotile   Client Sample ID: 925-JAC-7 Lab Sample ID: 041428336-0007   Sample Description: 1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles Lab Sample ID: 041428336-0007   TEST Date Non-Asbestos Comment	Client Sample ID:	925-JAC-6					Lab Sample ID:	041428336-0006	
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White0%96%4%ChrysotileClient Sample ID:925-JAC-7925-JAC-7Lab Sample ID:041428336-0007Sample Description:1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles00TESTDateColorFibrousNon-AsbestosComment	Sample Description:	1968 Building stairwell from me	echanical to 2nd flr/	Off-white 9x	9 floor tiles (broke	en)			
TESTDateColorFibrousNon-FibrousAsbestosCommentPLM9/27/2014White0%96%4%ChrysotileClient Sample ID:925-JAC-7925-JAC-7Lab Sample ID:041428336-0007Sample Description:1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles00TESTDateColorFibrousNon-AsbestosComment									
PLM 9/27/2014 White 0% 96% 4% Chrysotile   Client Sample ID: 925-JAC-7 Lab Sample ID: 041428336-0007   Sample Description: 1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles Lab Sample ID: 041428336-0007   Analyzed Non-Asbestos   TEST Date Color Fibrous Asbestos Comment		-					<b>-</b> .		
Client Sample ID:   925-JAC-7   Lab Sample ID:   041428336-0007     Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles       Analyzed   Non-Asbestos       TEST   Date   Color   Fibrous   Asbestos   Comment									
Sample Description:   1968 Building stairwell from mechanical to 2nd flr/Black mastic to the 9x9 off-white floor tiles     Analyzed   Non-Asbestos     TEST   Date   Color   Fibrous   Asbestos	r∟m	9/27/2014	White	0%	96%	4% Chrysotile			
Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment	-						Lab Sample ID:	041428336-0007	
TEST Date Color Fibrous Non-Fibrous Asbestos Comment	Sample Description:	1968 Building stairwell from me	echanical to 2nd flr/	Black mastic	to the 9x9 off-wh	nite floor tiles			
TEST Date Color Fibrous Non-Fibrous Asbestos Comment		A1		NI •					
	TEST	-	Color			Ashestos	Comment		

From: 8567860690 To: C	From:	8567860690	To: Ca
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200 Route 130 North Cinnaminson, NJ 08077

http://www.EMSL.com / cinnasblab@EMSL.com

Phone/Fax: (800) 220-3675 / (856) 786-5974

EMSL Analytical, Inc.

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Carlos Texidor Pa

Page: 9/20

Date: 10/3/2014 10:25:16 AM

EMSL Order ID:	041428336
Customer ID:	ENVI54
Customer PO:	20120232.A7E
Project ID:	

#### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Lab Sample ID: 041428336-0008 Client Sample ID: 925-JAC-8 Sample Description: 1968 Building stairwell H, at fourth floor/White damaged plaster (skim) Analyzed Non-Asbestos Comment TEST Date Color Fibrous Non-Fibrous Asbestos 9/27/2014 White PLM Ω% 100% None Detected Lab Sample ID; 041428336-0009 925-JAC-9 Client Sample ID: Sample Description: 1968 Building stairwell H, at fourth floor/White damaged plaster (rough) Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment 9/27/2014 PL M White 0% 100% None Detected Lab Sample ID: 041428336-0010 925-JAC-10 Client Sample ID: Sample Description: South addition first floor operating room/White 1x1 ceiling tiles on ground Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Ashestos Color PLM 9/27/2014 White 80% 20% None Detected 041428336-0011 Client Sample ID: 925-JAC-11 Lab Sample ID: Sample Description: South addition first floor operating room/White damaged ceramic tile grout (4x4) Analyzed Non-Asbestos TEST Non-Fibrous Asbestos Comment Date Color Fibrous PLM 9/27/2014 White 0% 100% None Detected 041428336-0012 Client Sample ID: 925-JAC-12 Lab Sample ID: Sample Description: South addition first floor operating room/White damaged ceramic tile backing Non-Ashestos Analyzed Fibrous Non-Fibrous TEST Date Color Asbestos Comment PLM 9/27/2014 Tan 0% 100% None Detected Client Sample ID: 925-JAC-13 Lab Sample ID; 041428336-0013 Sample Description: South addition first floor hall/12x12 light brown floor tiles Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Color Asbestos PLM 9/27/2014 Brown 0% 96% 4% Chrysotile Lab Sample ID: 041428336-0014 925-JAC-14 Client Sample ID: Sample Description: South addition first floor hall/Brown mastic assoc w/12x12 floor tiles Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 9/27/2014 Brown 100% None Detected Lab Sample ID: 041428336-0015 925-JAC-15 Client Sample ID: Sample Description: 1968 Building first floor engineering office area/White 2x4 ceiling tiles on ground Analyzed Non-Ashestos Non-Fibrous TEST Date Color Fibrous Asbestos Comment PLM 9/27/2014 Tan/White 90% 10% None Detected

To: Carlos Texidor

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Date: 10/3/2014 10:25:17 AM

EMSL Order ID:	041428336
Customer ID:	ENVI54
Customer PO:	20120232.A7E
Project ID:	

041428336-0016

#### Lab Sample ID: Client Sample ID: 925-JAC-16 Sample Description: North addition first floor morgue area/Off white sheetrock/Joint compound Analyzed Non-Asbestos Non-Fibrous Comment TEST Date Color Fibrous Asbestos 9/27/2014 82% PLM Brown/White 18% None Detected Lab Sample ID; 041428336-0017 925-JAC-17 Client Sample ID: Sample Description: North addition first floor morgue area/White joint compound Analyzed Non-Asbestos Fibrous Non-Fibrous TEST Date Color Asbestos Comment 9/27/2014 PL M White 0% 100% None Detected Lab Sample ID: 041428336-0018 925-JAC-18 Client Sample ID: Sample Description: 1968 Building second floor by main entrance/1x1 white splined ceiling tiles Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Ashestos Color PLM 9/27/2014 White 80% 20% None Detected 041428336-0019 Client Sample ID: 925-JAC-19 Lab Sample ID: Sample Description: 1968 Building second floor east hall/Off-white 9x9 floor tiles Analyzed Non-Asbestos TEST Date Non-Fibrous Asbestos Comment Color Fibrous PLM 9/27/2014 White 0% 96% 4% Chrysotile Lab Sample ID: 041428336-0020 Client Sample ID: 925-JAC-20 Sample Description: 1968 Building second floor east hall/Black mastic to the off-white 9x9 floor tiles Analyzed Non-Ashestos Fibrous Non-Fibrous TEST Date Color Asbestos Comment PLM 9/27/2014 Black 0% 92% 8% Chrysotile Client Sample ID: 925-JAC-21 Lab Sample ID; 041428336-0021 Sample Description: 1968 Building 2nd floor purple office near entranc/White 2x4 ceiling tiles Analyzed Non-Asbestos TEST Date Fibrous Non-Fibrous Asbestos Comment Color PLM 9/27/2014 White 80% 20% None Detected Lab Sample ID: 041428336-0022 925-JAC-22 Client Sample ID: Sample Description: 1968 Building 2nd floor purple office near entranc/White 1x1 ceiling tiles Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 9/27/2014 White 80% 20% None Detected Lab Sample ID: 041428336-0023 925-JAC-23 Client Sample ID: Sample Description: North adddition incinerator room, near morgue/White magnesium insulation on ground Analyzed Non-Ashestos Non-Fibrous Comment TEST Date Color Fibrous Asbestos PLM 9/27/2014 White 0% 100% None Detected Test Report:EPAMultiTests-7.32.2.e Printed: 10/03/2014 10:13AM Page 3 of 13



## EMSL Analytical, Inc.

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From: 8567860690 To: Carlos Texidor

Texidor Page: 11/20

Date: 10/3/2014 10:25:17 AM

EMSL Order ID: 041 Customer ID: EN

Customer PO:

Project ID:

041428336 ENVI54 20120232.A7E

## EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 <u>http://www.EMSL.com</u> / <u>cinnasblab@EMSL.com</u>

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via	
Polarized Light Microscopy	

		FU		ignt wircrosc	ору	1-1-0 1 17	0.44.4000000.0000
Client Sample ID:	925-JAC-24					Lab Sample ID:	041428336-0024
Sample Description:	North adddition incinerator ground	room, near morgue	/Off-white boi	ler breeching insula	tion on		
	Analyzed			-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	White	45%	55%	None Detected		
Client Sample ID:	925-JAC-25					Lab Sample ID;	041428336-0025
Sample Description:	Incinerator area E12 boile	/Off-white magnesiu	im insulation	on ground			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	White	25%	75%	None Detected		
Client Sample ID:	925-JAC-26					Lab Sample ID;	041428336-0026
Sample Description:	1968 section second floor	east laboratory/2x4	white ceiling t	iles on ground			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	White	80%	20%	None Detected		
Client Sample ID:	925-JAC-27					Lab Sample ID:	041428336-0027
Sample Description:	1968 section second floor	northeast area hall/*	12x12 beige f	oor tiles			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Beige	0%	96%	4% Chrysotile		
Client Sample ID:	925-JAC-28					Lab Sample ID;	041428336-0028
Sample Description:	1968 section second floor	northeast area hall/E	Brown mastic	to 12x12 floor tiles			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown	5%	95%	None Detected		
Client Sample ID:	925-JAC-29					Lab Sample ID:	041428336-0029
Sample Description:	1968 section third floor lab	oratory 3350/M/bite	nlaetor (ekim)				
oumpie beeenpuen,		oratory 5555/write	piaster (skim)				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	White	0%	100%	None Detected		
Client Sample ID:	925-JAC-30					Lab Sample ID:	041428336-0030
Sample Description:	1968 section third floor lab	oratory 3359/Rmwn	plaster (roug	h)		-	
			p	.,			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown	0%	100%	None Detected		
Client Sample ID:	925-JAC-31					Lab Sample ID;	041428336-0031
Sample Description:	1968 section third floor Ro	om 3341/White shee	etrock/Joint c	ompound on ground			
	Analyzed			-Asbestos		_	
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown/White	16%	84%	None Detected		

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PLM

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#### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Lab Sample ID: 041428336-0032 Client Sample ID: 925-JAC-32 Sample Description: 1968 section third floor Room 3341/White joint compound on ground Analyzed Non-Asbestos TEST Date Fibrous Non-Fibrous Asbestos Comment Color 9/27/2014 White 0% 100% None Detected Lab Sample ID; 041428336-0033 Client Sample ID: 925-JAC-33 Sample Description: North addition third floor pharmacy area/Yellow spray-on fireproofing Analyzed Non-Asbestos Comment TEST Date Fibrous Non-Fibrous Color Asbestos 9/27/2014 20% None Detected Yellow 80% Lab Sample ID: 041428336-0034 Client Sample ID: 925-JAC-34 Sample Description: North addition third floor manager's info corridor/White 1x1 ceiling tiles Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Ashestos Color 9/27/2014 White 75% 25% None Detected Lab Sample ID: 041428336-0035 Client Sample ID: 925-JAC-35 Sample Description: North addition third floor manager's info corridor/Brown glue daubs to 1x1 ceiling tiles Analyzed Non-Asbestos

TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown	0%	100%	None Detected		
Client Sample ID:	925-JAC-36					Lab Sample ID;	041428336-0036
Sample Description:	1952 section second floor n	niddle stairwell/12	x12 beige floor	tiles			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Beige	0%	100%	None Detected		
Client Sample ID:	925-JAC-37					Lab Sample ID;	041428336-0037
Sample Description:	1952 section second floor n	niddle stairwell/Ye	llow mastic to f	12x12 beige floor tile	2		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Yellow	0%	100%	None Detected		
Client Sample ID:	925-JAC-38					Lab Sample ID;	041428336-0038
Sample Description:	1968 section fourth floor nu	rses' suite/12x12	beige floor tile				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Beige	0%	100%	None Detected		
Client Sample ID:	925-JAC-39					Lab Sample ID;	041428336-0039
Sample Description:	1968 section fourth floor nu	rses' suite/Black i	nastic to 12x12	2 beige floor tile			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	

0%

93%

7% Chrysotile

9/27/2014

Black

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

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#### Lab Sample ID: 041428336-0040 Client Sample ID: 925-JAC-40 Sample Description: Fourth floor baby observation area/Black sheet vinyl flooring Analyzed Non-Asbestos Non-Fibrous Comment TEST Date Color Fibrous Asbestos 9/27/2014 PLM Black 15% 85% None Detected Lab Sample ID; 041428336-0041 925-JAC-41 Client Sample ID: Sample Description: Fourth floor east area bathroom/White ceramic tile grout 1x1 Analyzed Non-Asbestos Fibrous Non-Fibrous TEST Date Color Asbestos Comment 9/27/2014 PLM White 0% 100% None Detected Lab Sample ID: 041428336-0042 925-JAC-42 Client Sample ID: Sample Description: Fourth floor east area bathroom/Yellow ceramic tile backing Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Ashestos Color PLM 9/27/2014 Yellow 0% 100% None Detected 041428336-0043 Client Sample ID: 925-JAC-43 Lab Sample ID: Sample Description: 1968 section third floor hall at 327 and 329/12x12 off-white floor tile Analyzed Non-Asbestos TEST Date Non-Fibrous Asbestos Comment Color Fibrous PLM 9/27/2014 White 0% 100% None Detected Lab Sample ID: 041428336-0044 Client Sample ID: 925-JAC-44 Sample Description: 1968 section third floor hall at 327 and 329/Brown mastic to 12x12 floor tiles Non-Ashestos Analyzed Fibrous Non-Fibrous TEST Date Color Asbestos Comment PLM 9/27/2014 Brown 0% 100% None Detected Client Sample ID: 925-JAC-45 Lab Sample ID; 041428336-0045 Sample Description: 1952 section fifth floor south hall/White plaster (skim) Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Asbestos Comment Date Color PLM 9/27/2014 White 0% 100% None Detected Lab Sample ID: 041428336-0046 925-JAC-46 Client Sample ID: Sample Description: 1952 section fifth floor south hall/Brown plaster (rough) Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 9/27/2014 Brown 2% 98% None Detected Lab Sample ID: 041428336-0047 925-JAC-47 Client Sample ID: Sample Description: 1952 section fifth floor south hall/Red 9x9 floor tiles Analyzed Non-Ashestos Fibrous Non-Fibrous Comment TEST Date Color Asbestos PLM 9/27/2014 Red 0% 90% 10% Chrysotile Test Report:EPAMultiTests-7.32.2.e Printed: 10/03/2014 10:13AM Page 6 of 13



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#### EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 http://www.EMSL.com / cinnasblab@EMSL.com Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Lab Sample ID: 041428336-0048 Client Sample ID: 925-JAC-48 Sample Description: 1952 section fifth floor south hall/Black mastic to red 9x9 floor tiles Analyzed Non-Asbestos Fibrous Non-Fibrous Comment TEST Date Color Asbestos PLM 9/27/2014 Black 0% 95% 5% Chrysotile Lab Sample ID; 041428336-0049 925-JAC-49 Client Sample ID: Sample Description: 1952 section fifth floor south hall/Green 9x9 floor tiles Analyzed Non-Ashestos Fibrous Non-Fibrous TEST Date Color Asbestos Comment 9/27/2014 PLM Green 0% 96% 4% Chrysotile Lab Sample ID: 041428336-0050 925-JAC-50 Client Sample ID: Sample Description: 1952 section fifth floor south hall/Black mastic to green 9x9 floor tiles Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Color Ashestos PLM 9/27/2014 Black 0% 95% 5% Chrysotile 041428336-0051 Client Sample ID: 925-JAC-51 Lab Sample ID: Sample Description: 1952 section fifth floor hallway/Brown glue daubs debris on floor Analyzed Non-Asbestos TEST Date Non-Fibrous Asbestos Comment Color Fibrous PLM 9/27/2014 0% 100% Brown None Detected Lab Sample ID: 041428336-0052 Client Sample ID: 925-JAC-52 Sample Description: 1952 section fifth floor hallway/White air cell pipe insulation on floor Non-Ashestos Analyzed Fibrous Non-Fibrous TEST Date Color Asbestos Comment PLM 9/27/2014 White 0% 30% 70% Chrysotile Client Sample ID: 925-JAC-53 Lab Sample ID: 041428336-0053 Sample Description: 1952 section seventh floor hallway/Black tar paper on floor Analyzed Non-Asbestos TEST Non-Fibrous Asbestos Comment Date Color Fibrous PLM 9/27/2014 Black 70% 30% None Detected Lab Sample ID: 041428336-0054 925-JAC-54 Client Sample ID: Sample Description: 1952 section seventh floor hallway/White skim coat plaster Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 9/27/2014 White 0% 100% None Detected Lab Sample ID: 041428336-0055 925-JAC-55 Client Sample ID: Sample Description: 1952 section seventh floor hallway/Brown rough coat plaster Analyzed Non-Ashestos Non-Fibrous Comment TEST Date Color Fibrous Asbestos PLM 9/27/2014 Brown 0% 100% None Detected

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#### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Lab Sample ID: 041428336-0056 Client Sample ID: 925-JAC-56 Sample Description: 1952 section seventh floor entry area/Exposed white wood fire door core insulation Analyzed Non-Asbestos Non-Fibrous Comment TEST Date Color Fibrous Asbestos 9/27/2014 White PLM 20% 80% None Detected Lab Sample ID; 041428336-0057 925-JAC-57 Client Sample ID: Sample Description: 1952 section sixth floor entry area/Brown paint material peeling from wall on ground Analyzed Non-Asbestos Fibrous Non-Fibrous TEST Date Color Asbestos Comment 9/27/2014 PL M Brown 0% 100% None Detected Lab Sample ID: 041428336-0058 925-JAC-58 Client Sample ID: Sample Description: 1952 section seventh floor hallway/White fiber wall material Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Ashestos Color PLM 9/27/2014 White 20% 80% None Detected 041428336-0059 Client Sample ID: 925-JAC-59 Lab Sample ID: Sample Description: 1952 Bradley Building seventh floor front room/1x1 white fissured ceiling tile Analyzed Non-Asbestos TEST Date Non-Fibrous Asbestos Comment Color Fibrous PLM 9/27/2014 White 80% 20% None Detected Lab Sample ID: 041428336-0060 Client Sample ID: 925-JAC-60 Sample Description: 1952 Bradley Building seventh floor hall/1x1 white dotted ceiling tile Non-Ashestos Analyzed Fibrous Non-Fibrous TEST Date Color Asbestos Comment PLM 9/27/2014 White 75% 25% None Detected Client Sample ID: 925-JAC-61 Lab Sample ID: 041428336-0061 Sample Description: 1952 Bradley Building seventh floor hall/Black glue daubs to the 1x1 dotted ceiling tiles Analyzed Non-Asbestos TEST Color Fibrous Non-Fibrous Asbestos Comment Date PLM 9/27/2014 Black 0% 100% None Detected Lab Sample ID: 041428336-0062 925-JAC-62 Client Sample ID: Sample Description: 1952 Bradley Building seventh floor hall/White blown in insulation Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 9/27/2014 White 95% 5% None Detected Lab Sample ID: 041428336-0063 925-JAC-63 Client Sample ID: Sample Description: 1952 Bradley Building fifth floor hall connector/12x12 off white floor tiles

	Analyzed		Non-Asbestos		
TEST	Date	Color	Fibrous Non-Fibrous	Asbestos	Comment
PLM	9/27/2014	White	0% 100%	None Detected	

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#### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy Lab Sample ID: 041428336-0064 Client Sample ID: 925-JAC-64 Sample Description: 1952 Bradley Building Fifth floor E509/White plaster (skim) Analyzed Non-Asbestos Non-Fibrous Comment TEST Date Color Fibrous Asbestos 9/27/2014 PLM White 0% 100% None Detected Lab Sample ID; 041428336-0065 925-JAC-65 Client Sample ID: Sample Description: 1952 Bradley Building Fifth floor E509/White sheetrock Non-Ashestos Analyzed Fibrous TEST Date Color Non-Fibrous Asbestos Comment 9/27/2014 PLM Brown/White 15% 85% None Detected Lab Sample ID: 041428336-0066 925-JAC-66 Client Sample ID: Sample Description: 1952 Bradley Building fourth floor hall/Brown plaster (rough) Analyzed Non-Asbestos TEST Fibrous Non-Fibrous Comment Date Color Ashestos PLM 9/27/2014 Brown 0% 100% None Detected Client Sample ID: 925-JAC-67 Lab Sample ID: 041428336-0067 Sample Description: 1952 Bradley Building third floor hall/White plaster (skim) Analyzed Non-Asbestos TEST Non-Fibrous Asbestos Comment Date Color Fibrous PLM 9/27/2014 White 0% 100% None Detected 041428336-0068 Client Sample ID: 925-JAC-68 Lab Sample ID: Sample Description: 1952 Bradley Building third floor hall/Brown plaster (rough) Non-Ashestos Analyzed Fibrous Non-Fibrous TEST Date Color Asbestos Comment PLM 9/27/2014 Brown 0% 100% None Detected Client Sample ID: 925-JAC-69 Lab Sample ID; 041428336-0069 Sample Description: 1952 Bradley Building third floor open area room/White magnesium insulation in ground Analyzed Non-Asbestos TEST Non-Fibrous Comment Date Color Fibrous Asbestos PLM 9/27/2014 White 0% 65% 25% Amosite 10% Chrysotile Lab Sample ID: 041428336-0070 Client Sample ID: 925-JAC-70 Sample Description: 1952 Bradley Building third floor open area room/Air cell pipe insulation on ground Analyzed Non-Asbestos Fibrous Non-Fibrous TEST Date Comment Color Asbestos PLM 9/27/2014 Gray/Tan 70% 10% 20% Chrysotile Lab Sample ID; 041428336-0071 925-JAC-71 Client Sample ID: Sample Description: 1952 Bradley Building third floor open area room/12x12 off-white floor tiles Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment 9/27/2014 PLM White/Black 0% 96% 4% Chrysotile

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Lab Sample ID;

041428336-0073

#### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via **Polarized Light Microscopy** 041428336-0072 Lab Sample ID; Client Sample ID: 925-JAC-72 Sample Description: 1952 Bradley Building third floor open area room/White sheetrock Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment 9/27/2014 Brown/White 18% 82% None Detected

925-JAC-73 Client Sample ID:

PLM

Sample Description: 1952 Bradley Building fourth floor/White 1x1 dotted ceiling tiles on ground

	Analyzed			-Asbestos		_	
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	White	80%	20%	None Detected		
Client Sample ID:	925-JAC-74					Lab Sample ID:	041428336-0074
Sample Description:	1952 Bradley Building secor	nd floor cafeteria/	Brown glue da	ubs on ground			
	Analyzed			-Asbestos		<b>.</b> .	
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown	25%	75%	None Detected		
Client Sample ID:	925-JAC-75					Lab Sample ID;	041428336-0075
Sample Description:	1952 Bradley Building secor	nd floor cafeteria/	Gray homosote	e boards on ground			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown	25%		None Detected		
Client Sample ID:	925-JAC-76-Floor Tile					Lab Sample ID:	041428336-0076
•			<b>.</b>			Las sample iD,	541420500°0070
Sample Description:	1952 Bradley Building first fl	oor middle room	Brown 9x9 che	ckerboard tile			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown	0%	92%	8% Chrysotile		
Client Sample ID:	925-JAC-76-Mastic					Lab Sample ID:	041428336-0076A
Sample Description:	1952 Bradley Building first fl	oor middle room	Brown 9x9 che	ckerboard tile			
	, ,						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Black	0%	95%	5% Chrysotile		
Client Sample ID:	925-JAC-77					Lab Sample ID:	041428336-0077
Sample Description:	1952 Bradley Building first fl	oor to bath/1v1 n	inhole ceiling ti	les		-	
	Tool braddy ballang lint i	oon to bathr in the	in the boling t				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	9/27/2014	Brown	70%	30%	None Detected		
Client Sample ID:	925-JAC-78					Lab Sample ID:	041428336-0078
Sample Description:	1952 Bradley Building first fl	oor entry/Brown	etrin alue on w	od nanel on group	d	•	
	1902 bradiey building lifst li	oor eniry/brown	amp gide on wo	ou parter on ground	u		
oumple Description,							
Sample Description.	Analvzed		Non	-Asbestos			
TEST	Analyzed Date	Color	Non Fibrous	-Asbestos Non-Fibrous	Asbestos	Comment	

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## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

		P	olarized L	ignt wilcros	сору		
Client Sample ID:	925-JAC-87					Lab Sample ID:	041428336-0087
Sample Description:	Far southeast area first floor	newer area/Yell	ow carpet mast	ic on typical carpe	et		
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
00 PLM Pt Ct	9/27/2014	Yellow	0%		0.50% Chrysotile		
EM Grav. Reduction	10/03/2014	Yellow	0.0%	100%	<0.42% Chrysotile		
Client Sample ID:	925-JAC-88					Lab Sample ID;	041428336-0088
Sample Description:	Far southeast area first floor	newer area/12x	12 light brown f	loor tiles			
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
ĽM	9/27/2014	Brown	0%	100%	None Detected		
lient Sample ID:	925-JAC-89					Lab Sample ID:	041428336-0089
ample Description:	Far southeast area first floor	newer area/Bro	wn mastic to 12	x12 light brown fl	oor tiles		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
²LM	9/27/2014	Brown	0%	100%	None Detected		
lient Sample ID:	925-JAC-90					Lab Sample ID:	041428336-0090
ample Description:	Far southeast area first floor	newer area/Bla	k mastic to 12	(12 light brown flo	or tiles		
	Analyzed		Non	-Asbestos			
TEST	Date	Color		Non-Fibrous	Asbestos	Comment	
LM	9/27/2014	Black	0%	100%	None Detected		
lient Sample ID:	925-JAC-91					Lab Sample ID:	041428336-0091
ample Description:	Far southeast area first floor	newer area/Gra	y spray-on firep	proofing			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
LM	9/27/2014	Gray	27%	73%	None Detected		
lient Sample ID:	925-JAC-92					Lab Sample ID;	041428336-0092
ample Description:	Far southeast area first floor	r newer area/Whi	te joint compou	Ind			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
LM	9/27/2014	White	0%	100%	None Detected		
lient Sample ID:	925-JAC-93					Lab Sample ID:	041428336-0093
ample Description:	Far southeast area first floor	newer area/12x	12 white with ta	n streaks floor tile	)	Las Sample ID.	041420300-0035
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
LM	9/27/2014				Not Submitted		
						Lab Sample ID:	041428336-0094
	925-JAC-94						
lient Sample ID:	925-JAC-94 Far southeast area first floor	newer area/Whi	te sheetrock/Jo	int compound			
Client Sample ID:		r newer area/Whi		int compound - <b>Asbestos</b>			
Client Sample ID: Sample Description: TEST	Far southeast area first floor	r newer area/Whi Color	Non	·	Asbestos	Comment	

From: 8567860690 To: C

To: Carlos Texidor Page: 20/20

Date: 10/3/2014 10:25:20 AM

EMSL Order ID: 0414283 Customer ID: ENVI54

## EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-5974 http://www.EMSL.com / cinnasblab@EMSL.com Customer PO: Project ID: 041428336 ENVI54 20120232.A7E

### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID:	925-JAC-95					Lab Sample ID;	041428336-0095
Sample Description:	Far southeast area first floo	or newer area/Whi	te plaster (skim	))		-	
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
400 PLM Pt Ct	9/27/2014	White	0%	99.75%	0.25% Chrysotile		
TEM Grav. Reduction	10/03/2014	White	0.0%	100%	<0.74% Chrysotile		
Client Sample ID:	925-JAC-96					Lab Sample ID;	041428336-0096
Sample Description:	Far southeast area first floo	or newer area/Whi	te plaster (roug	h)			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
400 PLM Pt Ct	9/27/2014	White	0%	99.50%	0.50% Chrysotile		
TEM Grav. Reduction	10/03/2014	White	0.0%	98.5%	1.5% Chrysotile		

### Analyst(s):

Danielle Lenoir	PLM (41)
Felix Anusiem	PLM (50) 400 PLM Pt Ct (5)
Jennifer Mattero	TEM Grav. Reduction (5)

Reviewed and approved by:

Seent Take

Stephen Siegel, CIH, Laboratory Manager or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 09/27/201416:23:24

OrderID: 041428816

FUSS & O'NEILL EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040

Phone (860)646-2469 Fax (860) 649-6883

SAMPLE LOG FOR ASBESTOS BULKS

1741438816

Page: 2/3

Sheet 1 of 1

Project Name: City of Meriden, 1 King Place, Meriden, Connecticut Project No. 20120232.A7E

To: Carlos Texidor

Building: 1 King Place, Meriden, Connecticut

Project Manager: <u>Carlos Texidor</u>

Date: 10/2/2014 12:23:00 AM

Sample ID
Sample Location
Material

925-JAC-93
Far Southeast Area First Floor Newer Area
12" x 12" White with Tan Specks Floor tile

925-JAC-93A
Far Southeast Area First Floor Newer Area
Light Brown Mastic to Tiles

925-JAC-93A
Far Southeast Area First Floor Newer Area
Light Brown Mastic to Tiles

925-JAC-93A
Far Southeast Area First Floor Newer Area
Light Brown Mastic to Tiles

925-JAC-93A
Far Southeast Area First Floor Newer Area
Light Brown Mastic to Tiles

925-JAC-93A
Far Southeast Area First Floor Newer Area
Light Brown Mastic to Tiles

925-JAC-93A
Far Southeast Area First Floor Newer Area
Light Brown Mastic to Tiles

925-JAC-93A
Far Southeast Area First Floor Newer Area
Light Brown Mastic to Tiles

925-JAC-93A
International Procession
International Procession

925-JAC-93A
International Procession
International Procesin

926-JAC-93A
Int

Analysis Method: DLM

Turnaround Time 24 Hours

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: <u>10/2/14</u> Please call EnviroScience if analyses will not be completed for requested t/a/t at (860) 646-2469.

FAX Results to: 888-838-1160 Email Results to Ctexidor@fando.com Do Not Mail Hard Copy Report Total # of Samples: 2

Special Instructions: Stop analysis on first positive se	ample in each homogeneous set o	of samples unless otherwise	noted. Do	not layer samples
unless indicated.				
Samples collected by: <u>Coletti</u>	Date: _9/14	Time: <u>AM/PM</u>		
Samples Sent by:	Date: _		Time:	
Samples Received by: VCF4	Date:	10-1-14	Time:	9:25-
Shipped To: EMSL State NJ				
Method of Shipment: 🔲 FedEx				$\overline{)}$

Project: City of Meriden, 1 King Place, Meriden, Connecticut / 20120232.A7E

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

			Non-A	sbestos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
925-JAC-93 041428816-0001	Far Southeast Area First Floor Newer Area - 12"x12" White with Tan Specks Floor Tile	Tan Non-Fibrous Homogeneous		94% Non-fibrous (other)	6% Chrysotile
925-JAC-93A 041428816-0002	Far Southeast Area First Floor Newer Area - Light Brown Mastic to Tiles	Brown Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile

Analyst(s)

Michael Garrity (2)

Stephen Siegel, CIH, 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. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 10/01/2014 19:50:17



# Appendix D

Site Photographs





Photo 1 – Debris pile of various types of pipe insulation



Photo 2 - Deteriorated wall finishings and flooring throughout hallway



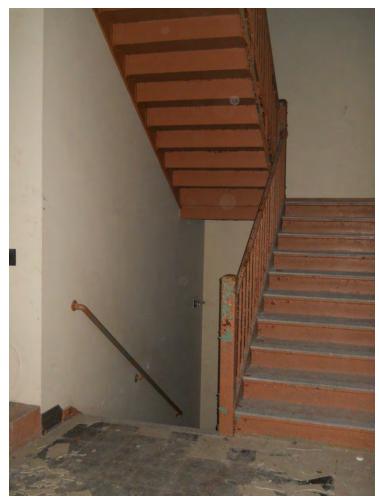


Photo 3 - Typical Stairwell with deteriorated painted surfaces and floor tile





Photo 5 – Debris pile on floor



# Appendix E

## Hazardous Materials Abatement Opinion of Cost Estimate



# Hazardous Materials Abatement Cost Estimate

Hazardous building materials abatement cost estimates are provided below. These cost opinion estimates are for visible and accessible areas only, and does not include Hazardous or non-Hazardous Chemicals. Lump Sum cost are based on current State DAS Contract (Prevailing Wage) rates and are inclusive of typical contractor costs for a normal work schedule (1 shift/day), Monday to Friday. They do not include costs for an expedited work schedule (double shifts/weekends/holidays.

Estimated Hazardous Materials Abatement Costs								
Type of Material	Estimated Quantity	Estimated Unit Cost	Total Estimated Cost					
Asbestos Materials Make Safe Clean-Up	~33-37 Locations to include Loading Dock	30-40 Days	\$161,879.50 (see attached work sheet)					
AWP/Work Plan/Project Monitoring/Con	nstruction Administration	Lump Sum	\$39,325.00					
	Subtotal							
	\$20,120.00							
	\$221,324.50							

### Estimated Hazardous Materials Abatement Costs

The above cost estimates represent abatement costs for hazardous building materials either identified, or assumed/presumed during this inspection only. These cost estimates may be modified as necessary for a specific scope of work.

# AAIS

P.O. BOX 26066 802 BOSTON POST ROAD WEST HAVEN, CT 06516

tel:	203-932-2992
fax:	203-932-9892
e-mail:	jreilly@aaiscorp.com

DATE:		9/30/2014	
CUSTOMER	CITY	OF MERIDEN	
CONTRACT AWARD #	10	PSX0238	
AAIS JOB #			
PROJECT NAME	1 King Plac	ce Meriden	
PROJECT NUMBER	$\overline{\eta}$ = $\overline{\eta}$		
DPW NUMBER	1		
ASBESTOS	\$ \$ \$	161,879.50	
MOLD	\$		
LEAD	\$		
OTHER		\$0.00	
TOTAL	\$	161,879.50	

0	ASBESTOS							
JOB	1 King Place Meriden		JOB	#		0		
PROJ #			DPW	#		No.		
ITEM	ASBESTOS REMOVAL		QTY	UNIT		COST		TOTAL
AR-001	HEPA VACUUMING		154550	SF	\$	0.24	\$	37,092.00
AR-002	PIPING REMOVAL <6" INCL FITTINGS		4500	LF	\$	1.45 2.17	\$	6,525.00
AR-003 AR-004	PIPING REMOVAL 6"-12" INCL FITTINGS PIPING REMOVAL >12" INCL FITTINGS			LF	5	2.17	5	
AR-005	GLOVE BAG FIRST 25			EA	\$	20.23	\$	
AR-006	GLOVEBAG 25-50			EA	\$	17.34	\$	÷
AR-007 AR-008	GLOVEBAG OVER 50 REMOVE EQUIPMENT INSULATION			EA SF	\$ \$	14.45 2.89	\$ \$	
AR-009	REMOVE EQUIPMENT INSULATION			SF	\$	2.89	5	
AR-010	REMOVE HVAC DUCT FLEX CONN			SF	\$	2.17	5	
AR-011	FLOOR TILE AND MASTIC			SF	\$	0.87	\$	
AR-012 AR-013	FLOOR TILE (NO MASTIC) SPRAY ON FIREPROOFING		2800	SF	\$	0.43	\$ \$	1,204.00
AR-013	PLASTER LATHE AND BLACK IRON			SF	\$	2.17	\$	
AR-015	ACCOUSTIC OR METAL PAN CEILING INCL GRID			SF	\$	1.45	\$	
AR-016	ACCOUSTIC PANELS CLEAN GRID FOR REUSE			SF	\$	1.16	\$	
AR-017 AR-018	ACCOUSTIC PLASTER FINISH MTL (SCRAPE) PATCH/SEAL DAMAGED INSULATION			SF	\$ \$	1.88 0.87	\$ \$	
AR-018	CONTAMINATED SOIL (2" DEPTH)			SF	\$	1.16	\$	-
AR-020	TRANSITE MATERIAL			SF	\$	0.72	\$	0.021
AR-021	ROOFING OR FLASHING		650	SF	\$	1.01	\$	656.50
AR-022	UNDERGROUND PIPE OR INSULATION (HAND EXCAVATION)			LF SF	\$ \$	8.67	\$ \$	
AR-023 AR-024	CARPET OVER TILE WALL BASE AND MASTIC			LF	э \$	0.72	\$	1.5
AR-025	REMOVAL OF DRYWALL PARTITIONS INCL FRAMING			SF	\$	0.58	\$	
AR-026	REMOVAL OF CMU WALL			SF	\$	1.45	\$	11111
AR-027	PREP WORK AREA		62900	SF SF/SA	\$ \$	0.97	5	61,013.00
AR-028 AR-029	SOLID BARRIER OR ACCESS TUNNELS 2X4 AND PLYWOOD SELECTIVE DEMOLITION TO ACCESS ACM			SF	э \$	0.72	э \$	
AR-030	REMOVAL OF FLOOR LEVELING MATERIAL			SF	\$	0.58	\$	
	MISCELLANEOUS ITEMS			2.				
MI-001	MOBILIZATION (1 PER WORK AREA)		22	EA	\$	250.00	\$	5,500.00
MI-002 MI-005	WORKER DECON (1 PER WORK AREA) TEMP ELECTRICAL CONNECTION (LICENSED ELECTRICIAN) cost +10%		22	EA	\$	250.00 250.00	\$ \$	5,500.00
MI-006	TEMP GENERATOR cost +10%		800	DY	\$	20.00	\$	16,000.00
MI-007	ACM DISPOSAL (INCLUDES TRANSPORTATION) cost +10%		300	CY	\$	55.00	\$	16,500.00
MI-008	HAZARDOUS WASTE DISPOSAL (INCLUDES TRANS) cost +10%			CY	\$	250.00	\$	
MI-009 MI-010	CONSTRUCTION DEBRIS DISPOSAL (INCLUDES TRANS) cost +10% STANDBY ABATEMENT PERSONELL (EA LICENSED WORKER)			CY	\$	25.00 26.00	\$ \$	1
MI-013	FIXED SCAFFOLDING cost +10%			SF	\$	10.00	\$	
MI-014	EXCAVATION TO EXPOSE UNDERGROUND PIPE cost + 10%			CY	\$	15.00	\$	6
MI-015	PROJECT NOTIFICATION (1% OF ABATEMENT COST) cost + 10%	10.0	1700	EA		1.10	\$	1,870.00
MI016	PROJECT BOND (3% OF TOTAL CONTRACT) cost +10% REWORK ITEMS			EA		1.10	\$	
RW-001	REINSULTE PIPE 1" THICK FIBERGLASS ASJ			SF	\$	2.71	\$	2
RW-002	REINSULTE PIPE 11/2" THICK FIBERGLASS ASJ			SF	\$	3,61	\$	-
RW-003	REINSULTE PIPE 2" THICK FIBERGLASS ASJ			SF	\$	3.61	\$	-
RW-004 RW-005	REINSULATE PIPE FITTING 1" THICK REINSULATE PIPE FITTING 11/2" THICK			EA	\$	4.34 5.43	\$ \$	5
RW-006	REINSULATE PIPE FITTING 2" THICK			EA	\$	6.50	\$	2.1
RW-007	REINSULATE MECHANICAL EQUIPMENT 3PCF 2" THICK			SF	\$	3.50	\$	-
RW-008	REINUSLATE HVAC DUCT (WRAP) 11/2 ".75 PCF			SF	\$	2.50	\$	÷
RW-009 RW-010	REINUSLATE HVAC DUCT(BOARD) 3PCF 11/2 THICK REPLACE FLEX CONNECTORS			SF	5	6.00 7.23	\$ \$	
	ESCALATION FACTORS			0.	•	1.20	*	1.1.1.1.1.1.1
EF-1	WORK SURFACES 10-20 FEET HIGH	\$	23,460.00	15%			\$	3,519.00
EF-2	WORK SURFACES OVER 20 FEET HIGH	\$		30%			\$	
EF-3 EF-4	NON REGULAR WORK HOURS 6:00PM-6:00AM AND WEEKEND EMERGENCY RESPONSE < 24 HRS	\$ \$		30% 30%			\$	-
EF-5	CONFINED SPACE WORK	\$	-	15%			s	
EF-6	REMOVAL OF MULTIPLE LAYERS OF TILE (EACH ADDIT LAYER)	\$	-	50%			\$	-
EF-7	REMOVE ON LIVE STEAM EQUIPMENT	\$	1	25%			\$	- ×
EF-8	EXTERIOR WORK MISCELLANEOUS ITEMS	\$		30%			\$	
1	DECONTAMINATE MISCELANEOUS ITEMS		-	1	\$	6,500.00	\$	6,500.00
					\$	-	\$	-
					\$	I.C.	5	
					\$	1.3	\$	2
					\$	1	\$	2
					\$		\$	-
	TOT				\$		\$	