

December 24, 2014

Mr. Mike Sanders
State of Connecticut
Department of Administrative Services
Division of Construction Services
165 Capitol Avenue, Room 460
Hartford, CT 06106

Cardno

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Re: Asbestos Inspection
Nurses Residence Employees Building 1
Seaside Regional Center
Waterford, Connecticut
Project MH-14-21
Building 64688
Cardno ATC Project 61.22573.0020 Task 20069

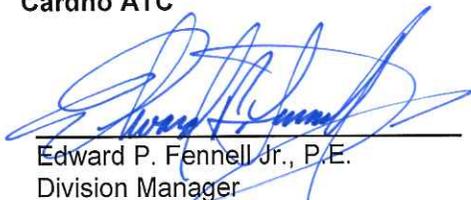
Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Nurses Residence Employees Building 1 at Seaside Regional Center located in Waterford, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

Cardno ATC



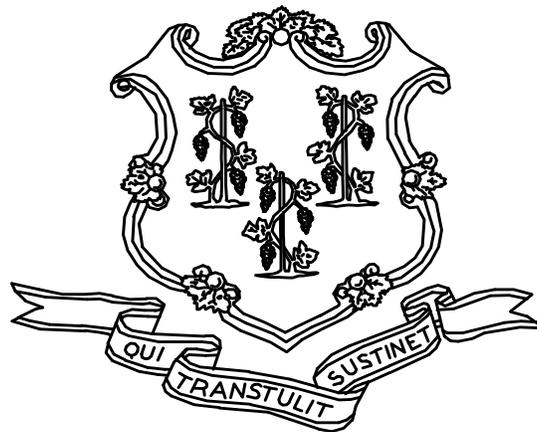
Edward P. Fennell Jr., P.E.
Division Manager
for Cardno ATC
Direct Line +1 860 282 9924 x1123
Email: edward.fennell@cardno.com

Encl:

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ASBESTOS INSPECTION REPORT

**NURSES RESIDENCE
EMPLOYEES BUILDING 1
SEASIDE REGIONAL CENTER
WATERFORD, CONNECTICUT
BUILDING 64688
PROJECT MH-14-21**



**STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES**

Prepared by:

**CARDNO ATC
290 ROBERTS STREET - SUITE 301
EAST HARTFORD, CT 06108**

CARDNO ATC PROJECT 61.22573.0020 TASK 20069

DECEMBER 24, 2014

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1.0 INTRODUCTION

Cardno ATC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct a limited inspection to identify asbestos-containing materials (ACM) at the Nurses Residence (Employees Building 1), Seaside Regional Center, Waterford, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. Stanley Szelag on September 26, 2014 through September 30, 2014. Mr. Szelag is a State of Connecticut Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000493). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster skim and base coats, floor tile and associated mastics, cove base and associated adhesives, wall panel adhesives, penetration sealants, pipe insulation, gypsum board, joint compound, ceramic wall tile grout and setting compounds, caulking, glazing, gypsum block, roofing materials and miscellaneous caulking and adhesives.

2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
 - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft² or less, except as provided in 40 CFR Part 763.87(c)(2).
 - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft² but less than or equal to 5,000 ft², except as provided in 40 CFR Part 763.87(c)(2).
 - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft², except as provided in 40 CFR Part 763.87(c)(2).

(b) *Thermal system insulation.*

- (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
- (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.
- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
- (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.

(c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

3.0 ASBESTOS-CONTAINING MATERIALS

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 9"x9" White Floor Tile
- 9"x9" Beige Floor Tile
- 12"x12" Tan Mottled Floor Tile
- Beige Sheet Flooring
- White Sink Undercoating
- Black Sink Undercoating
- Corrugated Pipe Insulation

- Thermal Mag Pipe Insulation
- Pipe Fitting Insulation
- Exterior Boiler Insulation
- Interior Boiler Insulation
- Breeching Insulation
- Tank Insulation
- Roofing Cement (Under Slate Shingles)
- Exterior Window Frame Caulk
- Exterior Door Frame Caulk
- Exterior Door Glazing

The results of PLM laboratory analysis indicated that the following analyzed material was less than 1% asbestos:

- 12" x 12" Gray Streak Floor Tile
- 12" x 12" Red Floor Tile

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall - Skim Coat
- Plaster Wall - Base Coat
- Plaster Ceiling - Skim Coat
- Plaster Ceiling - Base Coat
- Wall Plaster Scratch Coat
- Ceiling Plaster Scratch Coat
- Gypsum Board
- Joint Compound
- 2'x4' Suspended Ceiling Tile – White Fissured
- 2'x4' Suspended Ceiling Tile – White Pinhole
- 2'x2' Suspended Ceiling Tile – Pinhole - Fissured
- 2'x2' White Ceiling Tile
- 2" Ceramic Floor Tile Setting Compound and Grout
- 4" Ceramic Wall Tile Setting Compound and Grout
- 4" Plastic Wall Tile Setting Compound and Grout
- 9"x9" White Floor Tile Mastic
- 12" x 12" Tan Mottled Floor Tile Mastic
- 12" x 12" Gray Mottled Floor Tile and Associated Mastic
- 12" x 12" White Floor Tile and Associated Mastic
- 12" x 12" Light Green Mottled Floor Tile and Associated Mastic
- 12" x 12" Red Floor Tile and Associated Mastic
- 12" x 12" Mocha Mottled Floor Tile and Associated Mastic
- 12" x 12" Gray Streak Floor Tile Mastic
- 6" White Floor Tile and Associated Mastic
- Beige Sheet Flooring Adhesive – Backing
- Brown Sheet Flooring and Associated Adhesive

- Quarry Tile setting Compound and Grout
- White Floor Leveler Compound
- Yellow Carpet Glue
- Blown-in Attic Insulation
- Fire Hose
- Incinerator Fire Brick and Mortar
- Vinal Wall Panel and Associated Adhesive
- Gray Cabinet Covering and Associated Adhesive
- Black Paper and Adhesive Backing Under Cabinet Top
- Brick Damp Proofing
- Fire Door Insulation

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

4.0 DISCUSSION AND RECOMMENDATIONS

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

5.0 LIMITATIONS

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS

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EMSL Order:	031442544
CustomerID:	ATCE54
CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 11/04/14 10:03 AM
 Analysis Date: 11/7/2014
 Collected: 10/30/2014

Project: 61.22573.0020 20069/ CT-DPW/ NURSES HOME/ SHORE RD./ WATERFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-1A <i>031442544-0001</i>	118A - WALL PLASTER/ SKIM	Tan/White Non-Fibrous Heterogeneous		80% Gypsum 5% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-1B <i>031442544-0002</i>	111 - WALL PLASTER/ SKIM	White Non-Fibrous Heterogeneous		75% Gypsum 10% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-1C <i>031442544-0003</i>	CORRIDOR 134 - WALL PLASTER/ SKIM	White Non-Fibrous Heterogeneous		75% Gypsum 15% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-1D <i>031442544-0004</i>	207 - WALL PLASTER/ SKIM	White Non-Fibrous Homogeneous		75% Gypsum 20% Ca Carbonate 5% Non-fibrous (other)	None Detected
103014-1E <i>031442544-0005</i>	213 - WALL PLASTER/ SKIM	White Non-Fibrous Heterogeneous		80% Gypsum 10% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-1F <i>031442544-0006</i>	316A - WALL PLASTER/ SKIM	White/Blue/Green Non-Fibrous Heterogeneous		70% Gypsum 15% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-1G <i>031442544-0007</i>	323 - WALL PLASTER/ SKIM	White/Pink Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected

Inseparable paint / coating layer included in analysis

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report Amended: 11/07/2014 08:50:04 Replaces Report Amended: 11/07/2014 08:48:42. Reason Code: Data Entry-Change to Appearance

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-2A <i>031442544-0008</i>	118A - WALL PLASTER/ BASE	Gray/White Non-Fibrous Homogeneous	<1% 1%	Cellulose Hair	50% Quartz 35% Gypsum 9% Ca Carbonate 5% Non-fibrous (other) None Detected
103014-2B <i>031442544-0009</i>	111 - WALL PLASTER/ BASE	Gray/White Non-Fibrous Homogeneous	<1%	Hair	55% Quartz 35% Gypsum 5% Ca Carbonate 5% Non-fibrous (other) None Detected
103014-2C <i>031442544-0010</i>	CORRIDOR 134 - WALL PLASTER/ BASE	Gray/White Non-Fibrous Homogeneous	<1% <1%	Cellulose Hair	55% Quartz 35% Gypsum 5% Ca Carbonate 5% Non-fibrous (other) None Detected
103014-2D <i>031442544-0011</i>	207 - WALL PLASTER/ BASE	Gray Non-Fibrous Homogeneous			55% Quartz 30% Gypsum 5% Ca Carbonate 10% Non-fibrous (other) None Detected
103014-2E <i>031442544-0012</i>	213 - WALL PLASTER/ BASE	Gray Non-Fibrous Homogeneous	<1%	Hair	55% Quartz 35% Gypsum 5% Ca Carbonate 5% Non-fibrous (other) None Detected
103014-2F <i>031442544-0013</i>	316A - WALL PLASTER/ BASE	Gray/White Non-Fibrous Homogeneous	<1%	Hair	55% Quartz 35% Gypsum 5% Ca Carbonate 5% Non-fibrous (other) None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-2G <i>031442544-0014</i>	323 - WALL PLASTER/ BASE	Gray Non-Fibrous Homogeneous	4% Hair	40% Quartz 3% Mica 53% Non-fibrous (other)	None Detected
103014-3A <i>031442544-0015</i>	119 - CEILING PLASTER/ SKIM	White Non-Fibrous Heterogeneous		75% Gypsum 10% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-3B <i>031442544-0016</i>	111 - CEILING PLASTER/ SKIM	White Non-Fibrous Homogeneous		85% Gypsum 5% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-3C <i>031442544-0017</i>	CORRIDOR 134 - CEILING PLASTER/ SKIM	Tan/White Non-Fibrous Heterogeneous		80% Gypsum 5% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-3D <i>031442544-0018</i>	207 - CEILING PLASTER/ SKIM	White Non-Fibrous Heterogeneous		80% Gypsum 10% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-3E <i>031442544-0019</i>	213 - CEILING PLASTER/ SKIM	Tan/White Non-Fibrous Heterogeneous		70% Gypsum 15% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-3F <i>031442544-0020</i>	316A - CEILING PLASTER/ SKIM	Tan/White Non-Fibrous Heterogeneous		80% Gypsum 5% Ca Carbonate 15% Non-fibrous (other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
103014-3G <i>031442544-0021</i>	323 - CEILING PLASTER/ SKIM	White Non-Fibrous Heterogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
103014-4A <i>031442544-0022</i>	119 - CEILING PLASTER/ BASE	Gray Non-Fibrous Homogeneous	<1% Hair	55% Quartz 35% Gypsum 5% Ca Carbonate 5% Non-fibrous (other)	None Detected
103014-4B <i>031442544-0023</i>	111 - CEILING PLASTER/ BASE	Gray Non-Fibrous Homogeneous		60% Quartz 30% Gypsum 5% Ca Carbonate 5% Non-fibrous (other)	None Detected
103014-4C <i>031442544-0024</i>	CORRIDOR 134 - CEILING PLASTER/ BASE	Gray/White Non-Fibrous Homogeneous		45% Quartz 40% Gypsum 5% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-4D <i>031442544-0025</i>	207 - CEILING PLASTER/ BASE	Gray Non-Fibrous Homogeneous		55% Quartz 30% Gypsum 5% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-4E <i>031442544-0026</i>	213 - CEILING PLASTER/ BASE	Gray Non-Fibrous Homogeneous	<1% Hair	55% Quartz 30% Gypsum 5% Ca Carbonate 10% Non-fibrous (other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
103014-4F <i>031442544-0027</i>	316A - CEILING PLASTER/ BASE	Gray Non-Fibrous Homogeneous	<1% 1%	Cellulose Hair	55% Quartz 35% Gypsum 4% Ca Carbonate 5% Non-fibrous (other) None Detected
103014-4G <i>031442544-0028</i>	323 - CEILING PLASTER/ BASE	Gray Non-Fibrous Homogeneous	3%	Hair	45% Quartz 52% Non-fibrous (other) <1% Chrysotile
103014-5A <i>031442544-0029</i>	CORRIDOR 134 - JOINT COMPOUND/ WHITE	White Non-Fibrous Heterogeneous			3% Mica 77% Ca Carbonate 20% Non-fibrous (other) None Detected
103014-5B <i>031442544-0030</i>	118A - JOINT COMPOUND/ WHITE	White Non-Fibrous Heterogeneous			4% Mica 48% Ca Carbonate 48% Non-fibrous (other) None Detected
Inseparable paint / coating layer included in analysis					
103014-5C <i>031442544-0031</i>	WORKSHOP - JOINT COMPOUND/ WHITE	White Fibrous Heterogeneous	30%	Cellulose	5% Mica 55% Ca Carbonate 10% Non-fibrous (other) None Detected
Includes inseparable tape.					
103014-6A <i>031442544-0032</i>	CORRIDOR 134 - GYPSUM BOARD	Tan/White Fibrous Heterogeneous	<1% 4%	Glass Cellulose	85% Gypsum 6% Ca Carbonate 5% Non-fibrous (other) None Detected
103014-6B <i>031442544-0033</i>	118A - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	18% 2%	Cellulose Glass	60% Gypsum 20% Non-fibrous (other) None Detected

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Project: 61.22573.0020 20069/ CT-DPW/ NURSES HOME/ SHORE RD./ WATERFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-6C <i>031442544-0034</i>	WORKSHOP - GYPSUM BOARD	Brown/White Fibrous Heterogeneous	<1% 12%	Glass Cellulose	75% Gypsum 8% Ca Carbonate 5% Non-fibrous (other) None Detected
103014-7A <i>031442544-0035</i>	119 - BROWN SHEET FLOORING	Brown Fibrous Heterogeneous	15%	Cellulose	55% Matrix 30% Non-fibrous (other) None Detected
103014-7B <i>031442544-0036</i>	207 - BROWN SHEET FLOORING	Brown Non-Fibrous Homogeneous	10%	Cellulose	90% Non-fibrous (other) None Detected
103014-8A <i>031442544-0037</i>	119 - ADHESIVE/ BACKING FOR BROWN SHEET FLOORING	Tan Non-Fibrous Homogeneous			95% Matrix 5% Non-fibrous (other) None Detected
103014-8B <i>031442544-0038</i>	207 - ADHESIVE/ BACKING FOR BROWN SHEET FLOORING	Brown Fibrous Heterogeneous	35%	Cellulose	65% Non-fibrous (other) None Detected
103014-9A <i>031442544-0039</i>	CORRIDOR 134 - 12" TAN MOTTLED FT	Gray/Tan Non-Fibrous Heterogeneous			65% Ca Carbonate 30% Matrix 5% Non-fibrous (other) None Detected
103014-9B <i>031442544-0040</i>	321 - 12" TAN MOTTLED FT	Gray/Tan Non-Fibrous Heterogeneous			53% Ca Carbonate 35% Matrix 10% Non-fibrous (other) 2% Chrysotile
Tile visibly different from 9A.					
103014-10A <i>031442544-0041</i>	CORRIDOR 134 - YELLOW MASTIC FOR 12" TAN MOTTLED FT	Tan/Beige Non-Fibrous Heterogeneous			8% Ca Carbonate 85% Matrix 7% Non-fibrous (other) None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-10B <i>031442544-0042</i>	321 - YELLOW MASTIC FOR 12" TAN MOTTLED FT	Brown/Beige Non-Fibrous Heterogeneous		88% Matrix 12% Non-fibrous (other)	None Detected
103014-11A <i>031442544-0043</i>	119 - GRAY CABINET TOP/ SHEET FLOORING	Brown/Various/Gr een Fibrous Heterogeneous	10% Synthetic 30% Cellulose	55% Matrix 5% Non-fibrous (other)	None Detected
103014-11B <i>031442544-0044</i>	119 - GRAY CABINET TOP/ SHEET FLOORING	Brown/Gray/White Fibrous Heterogeneous	5% Synthetic 40% Cellulose	15% Ca Carbonate 40% Non-fibrous (other)	None Detected
103014-12A <i>031442544-0045</i>	119 - ADHESIVE/ BACKING FOR GRAY CABINET TOP/ SHEET FLOORING	Brown Non-Fibrous Homogeneous		95% Matrix 5% Non-fibrous (other)	None Detected
103014-12B <i>031442544-0046</i>	119 - ADHESIVE/ BACKING FOR GRAY CABINET TOP/ SHEET FLOORING	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
103014-13A <i>031442544-0047</i>	119 - BLACK PAPER UNDER CABINET TOP	Black Fibrous Homogeneous	65% Cellulose	33% Matrix 2% Non-fibrous (other)	None Detected
103014-13B <i>031442544-0048</i>	119 - BLACK PAPER UNDER CABINET TOP	Black Fibrous Heterogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
103014-14A <i>031442544-0049</i>	119 - ADHESIVE/ BACKING FOR BLACK PAPER UNDER CABINET TOP	Brown Non-Fibrous Homogeneous		95% Matrix 5% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-14B <i>031442544-0050</i>	119 - ADHESIVE/ BACKING FOR BLACK PAPER UNDER CABINET TOP	Brown Non-Fibrous Homogeneous	15%	Cellulose	85% Non-fibrous (other) None Detected
103014-15A <i>031442544-0051</i>	111 - DAMP- PROOFING ON BRICK	Black Non-Fibrous Homogeneous			25% Quartz 60% Matrix 15% Non-fibrous (other) None Detected
103014-15B <i>031442544-0052</i>	213 - DAMP- PROOFING ON BRICK	Black Non-Fibrous Homogeneous	2%	Cellulose	4% Ca Carbonate 94% Non-fibrous (other) None Detected
103014-16A <i>031442544-0053</i>	CORRIDOR 134 - 2'X2' WHITE PINHOLE- FISSURED SCT	Gray/White Fibrous Heterogeneous	20%	Min. Wool Cellulose	15% Perlite 15% Non-fibrous (other) None Detected
103014-16B <i>031442544-0054</i>	CORRIDOR 233 - 2'X2' WHITE PINHOLE- FISSURED SCT	Tan Fibrous Homogeneous	55%	Cellulose	15% Perlite 20% Non-fibrous (other) None Detected
103014-17A <i>031442544-0055</i>	CORRIDOR 134 - 2'X2' WHITE CT	Tan/White Fibrous Heterogeneous	70%	Cellulose	30% Non-fibrous (other) None Detected
103014-17B <i>031442544-0056</i>	CORRIDOR 233 - 2'X2' WHITE CT	Tan/White Fibrous Homogeneous	85%	Cellulose	15% Non-fibrous (other) None Detected
103014-18A <i>031442544-0057</i>	131 - FIRE DOOR INSULATION	White Fibrous Homogeneous	45%	Cellulose	45% Non-fibrous (other) 10% Vermiculite None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-18B <i>031442544-0058</i>	102 - FIRE DOOR INSULATION	White Fibrous Homogeneous	35%	Cellulose	53% Non-fibrous (other) 12% Vermiculite None Detected
103014-19A <i>031442544-0059</i>	126 - SETTING COMPOUND FOR 2" CERAMIC FT/ GRAY	Gray Non-Fibrous Homogeneous			60% Quartz 25% Ca Carbonate 15% Non-fibrous (other) None Detected
103014-19B <i>031442544-0060</i>	229 - SETTING COMPOUND FOR 2" CERAMIC FT/ GRAY	Gray Non-Fibrous Homogeneous			60% Quartz 20% Ca Carbonate 20% Non-fibrous (other) None Detected
103014-20A <i>031442544-0061</i>	126 - GROUT FOR 2" CERAMIC FT	Gray Non-Fibrous Homogeneous			65% Quartz 15% Ca Carbonate 20% Non-fibrous (other) None Detected
103014-20B <i>031442544-0062</i>	229 - GROUT FOR 2" CERAMIC FT	Brown Non-Fibrous Homogeneous	2%	Cellulose	35% Quartz 24% Ca Carbonate 39% Non-fibrous (other) None Detected
103014-21A <i>031442544-0063</i>	124/ BATH - SETTING COMPOUND FOR 4" CERAMIC WALL TILE/ YELLOW	Brown/Yellow Non-Fibrous Homogeneous			90% Matrix 10% Non-fibrous (other) None Detected
103014-21B <i>031442544-0064</i>	116/ BATH - SETTING COMPOUND FOR 4" CERAMIC WALL TILE/ YELLOW	Brown Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other) None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-22A 031442544-0065	124/ BATH - GROUT FOR/ SETTING COMPOUND FOR 4" CERAMIC WALL TILE/ YELLOW	White Non-Fibrous Homogeneous		85% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-22B 031442544-0066	116/ BATH - GROUT FOR/ SETTING COMPOUND FOR 4" CERAMIC WALL TILE/ YELLOW	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
103014-23A 031442544-0067	116/ KITCHEN - WHITE SINK UNDERCOATING	Gray/White Non-Fibrous Homogeneous		58% Ca Carbonate 30% Non-fibrous (other)	12% Chrysotile
103014-23B 031442544-0068	116/ KITCHEN - WHITE SINK UNDERCOATING				Stop Positive (Not Analyzed)
103014-24A 031442544-0069	116/ BATH - VINYL WALL PANEL	Brown/White/Green Fibrous Heterogeneous	94% Cellulose	6% Non-fibrous (other)	None Detected
103014-24B 031442544-0070	116/ BATH - VINYL WALL PANEL	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
103014-25A 031442544-0071	116/ BATH - ADHESIVE FOR VINYL WALL PANEL	Yellow Non-Fibrous Homogeneous		35% Ca Carbonate 50% Matrix 15% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-25B 031442544-0072	116/ BATH - ADHESIVE FOR VINYL WALL PANEL	Yellow Non-Fibrous Homogeneous		45% Ca Carbonate 50% Matrix 5% Non-fibrous (other)	None Detected
103014-26A 031442544-0073	116/ KITCHEN - EXTERIOR WINDOW GLAZING	Gray/Tan Non-Fibrous Homogeneous		85% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-26B 031442544-0074	206 - EXTERIOR WINDOW GLAZING	Gray/White Non-Fibrous Homogeneous	2% Fibrous (other)	40% Ca Carbonate 58% Non-fibrous (other)	None Detected
TEM recommended					
103014-27A 031442544-0075	118A - WALL PLASTER/ SCRATCH COAT	Gray/White Non-Fibrous Homogeneous	<1% Hair	55% Quartz 35% Gypsum 5% Ca Carbonate 5% Non-fibrous (other)	None Detected
103014-27B 031442544-0076	111 - WALL PLASTER/ SCRATCH COAT	Gray/White Non-Fibrous Homogeneous	<1% Hair	50% Quartz 35% Gypsum 10% Ca Carbonate 5% Non-fibrous (other)	None Detected
103014-27C 031442544-0077	CORRIDOR 134 - WALL PLASTER/ SCRATCH COAT	Gray/White Non-Fibrous Homogeneous	1% Cellulose <1% Hair	55% Quartz 30% Gypsum 4% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-27D 031442544-0078	207 - WALL PLASTER/ SCRATCH COAT	White/Rust Non-Fibrous Heterogeneous	<1% Hair	50% Quartz 35% Gypsum 10% Ca Carbonate 5% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-27E 031442544-0079	213 - WALL PLASTER/ SCRATCH COAT	White Non-Fibrous Homogeneous	<1% Hair	55% Quartz 30% Gypsum 5% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-27F 031442544-0080	316A - WALL PLASTER/ SCRATCH COAT	White Non-Fibrous Homogeneous	<1% Hair	60% Quartz 30% Gypsum 5% Ca Carbonate 5% Non-fibrous (other)	None Detected
103014-27G 031442544-0081	323 - WALL PLASTER/ SCRATCH COAT	Tan/White Non-Fibrous Homogeneous	4% Cellulose 3% Hair	44% Quartz 49% Non-fibrous (other)	None Detected
103014-28A 031442544-0082	207 - CORRIGATED PIPE INSULATION	Gray/Rust Fibrous Heterogeneous		20% Ca Carbonate 35% Non-fibrous (other)	45% Chrysotile
103014-28B 031442544-0083	WORKSHOP - CORRIGATED PIPE INSULATION				Stop Positive (Not Analyzed)
103014-29A 031442544-0084	CORRIDOR 233 - 12" GRAY MOTTLED FT	Brown/Gray/White Non-Fibrous Heterogeneous		65% Ca Carbonate 30% Matrix 5% Non-fibrous (other)	None Detected
103014-29B 031442544-0085	CORRIDOR 233 - 12" GRAY MOTTLED FT	Gray/White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected

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 Received: 11/04/14 10:03 AM
 Analysis Date: 11/7/2014
 Collected: 10/30/2014

Project: 61.22573.0020 20069/ CT-DPW/ NURSES HOME/ SHORE RD./ WATERFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-30A <i>031442544-0086</i>	CORRIDOR 233 - YELLOW MASTIC	Tan/Yellow Non-Fibrous Homogeneous		35% Ca Carbonate 55% Matrix 10% Non-fibrous (other)	None Detected
103014-30B <i>031442544-0087</i>	CORRIDOR 233 - YELLOW MASTIC	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
103014-31A <i>031442544-0088</i>	206 - 12" GRAY STREAK FT	Brown/Tan Non-Fibrous Heterogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	<1% Chrysotile
103014-31B <i>031442544-0089</i>	206 - 12" GRAY STREAK FT	Brown/Tan Non-Fibrous Heterogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	<1% Chrysotile
103014-32A <i>031442544-0090</i>	206 - YELLOW MASTIC FOR 12" GRAY STREAK FT	Brown Non-Fibrous Homogeneous		5% Ca Carbonate 90% Matrix 5% Non-fibrous (other)	None Detected
103014-32B <i>031442544-0091</i>	206 - YELLOW MASTIC FOR 12" GRAY STREAK FT	Brown/Clear Non-Fibrous Homogeneous	3% Cellulose	22% Ca Carbonate 55% Matrix 20% Non-fibrous (other)	None Detected
103014-33A <i>031442544-0092</i>	206 - BLACK SINK UNDERCOATING	Black Non-Fibrous Homogeneous		78% Matrix 10% Non-fibrous (other)	12% Chrysotile
103014-33B <i>031442544-0093</i>	108 - BLACK SINK UNDERCOATING				Stop Positive (Not Analyzed)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-34A <i>031442544-0094</i>	210 - 12" WHITE FT	Gray/Tan Non-Fibrous Heterogeneous		65% Ca Carbonate 30% Matrix 5% Non-fibrous (other)	None Detected
103014-34B <i>031442544-0095</i>	210 - 12" WHITE FT	White Non-Fibrous Homogeneous		22% Ca Carbonate 78% Non-fibrous (other)	None Detected
103014-35A <i>031442544-0096</i>	210 - YELLOW MASTIC FOR 12" WHITE FT	Brown/Yellow Non-Fibrous Heterogeneous	8% Cellulose <1% Hair	27% Ca Carbonate 55% Matrix 10% Non-fibrous (other)	None Detected
103014-35B <i>031442544-0097</i>	210 - YELLOW MASTIC FOR 12" WHITE FT	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
103014-36A <i>031442544-0098</i>	226 - YELLOW AND BLUE SHEET FLOORING	Various/Blue/Yellow Non-Fibrous Heterogeneous		45% Quartz 45% Matrix 10% Non-fibrous (other)	None Detected
103014-36B <i>031442544-0099</i>	227 - YELLOW AND BLUE SHEET FLOORING	Blue/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
103014-37A <i>031442544-0100</i>	226 - ADHESIVE/ BACKING FOR YELLOW AND BLUE SHEET FLOORING	Gray/Tan Non-Fibrous Homogeneous		65% Quartz 5% Ca Carbonate 30% Non-fibrous (other)	None Detected

Sample is mortar.

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-37B <i>031442544-0101</i>	227 - ADHESIVE/ BACKING FOR YELLOW AND BLUE SHEET FLOORING	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (other)	None Detected
Sample is mortar.					
103014-38A <i>031442544-0102</i>	CORRIDOR 233 - 12" LIGHT GREEN MOTTLED FT	Gray/Blue Non-Fibrous Heterogeneous		65% Ca Carbonate 30% Matrix 5% Non-fibrous (other)	None Detected
103014-38B <i>031442544-0103</i>	209 - 12" LIGHT GREEN MOTTLED FT	Blue Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected
103014-39A <i>031442544-0104</i>	CORRIDOR 233 - BLACK MASTIC FOR 12" LIGHT GREEN MOTTLED FT	Black Non-Fibrous Homogeneous		92% Matrix 8% Non-fibrous (other)	None Detected
103014-39B <i>031442544-0105</i>	209 - BLACK MASTIC FOR 12" LIGHT GREEN MOTTLED FT	Brown/Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
103014-40A <i>031442544-0106</i>	211 - 12" LIGHT GREEN MOTTLED FT	Gray/Green Non-Fibrous Heterogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	None Detected
103014-40B <i>031442544-0107</i>	230 - 12" LIGHT GREEN MOTTLED FT	Gray/Blue/Green Non-Fibrous Heterogeneous		65% Ca Carbonate 30% Matrix 5% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-41A <i>031442544-0108</i>	211 - YELLOW MASTIC FOR 12" LIGHT GREEN MOTTLED FT	Yellow Non-Fibrous Homogeneous	7% Cellulose	80% Matrix 13% Non-fibrous (other)	None Detected
103014-41B <i>031442544-0109</i>	230 - YELLOW MASTIC FOR 12" LIGHT GREEN MOTTLED FT	Yellow Non-Fibrous Homogeneous	6% Cellulose <1% Hair	9% Ca Carbonate 75% Matrix 10% Non-fibrous (other)	None Detected
103014-42A <i>031442544-0110</i>	224 - 12" RED FT	Tan/Red/Black Non-Fibrous Heterogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	<1% Chrysotile
103014-42B <i>031442544-0111</i>	224 - 12" RED FT	Brown/Red Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	<1% Chrysotile
103014-43A <i>031442544-0112</i>	224 - YELLOW MASTIC FOR 12" RED FT	Tan/Yellow Non-Fibrous Heterogeneous	3% Cellulose	22% Ca Carbonate 55% Matrix 20% Non-fibrous (other)	None Detected
103014-43B <i>031442544-0113</i>	224 - YELLOW MASTIC FOR 12" RED FT	Gray/Yellow Non-Fibrous Heterogeneous		5% Quartz 10% Ca Carbonate 85% Non-fibrous (other)	None Detected
103014-44A <i>031442544-0114</i>	215 - BEIGE SHEET FLOORING	Gray/Tan Fibrous Heterogeneous		25% Ca Carbonate 55% Non-fibrous (other)	20% Chrysotile
103014-44B <i>031442544-0115</i>	215 - BEIGE SHEET FLOORING				Stop Positive (Not Analyzed)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-45A <i>031442544-0116</i>	215 - ADHESIVE/ BACKING FOR BEIGE SHEET FLOORING	Yellow/Clear Non-Fibrous Homogeneous		95% Matrix 5% Non-fibrous (other)	None Detected
103014-45B <i>031442544-0117</i>	215 - ADHESIVE/ BACKING FOR BEIGE SHEET FLOORING	Yellow/Clear Non-Fibrous Homogeneous		95% Matrix 5% Non-fibrous (other)	None Detected
103014-46A <i>031442544-0118</i>	223 - YELLOW WITH BLACK SHEET FLOORING	Brown/White/Yello w Non-Fibrous Heterogeneous		35% Quartz 55% Matrix 10% Non-fibrous (other)	None Detected
103014-46B <i>031442544-0119</i>	223 - YELLOW WITH BLACK SHEET FLOORING	Tan/White/Yellow Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
103014-47A <i>031442544-0120</i>	223 - ADHESIVE/ BACKING FOR YELLOW WITH BLACK SHEET FLOORING	Gray/Tan Non-Fibrous Homogeneous		65% Quartz 5% Ca Carbonate 30% Non-fibrous (other)	None Detected
Sample is mortar.					
103014-47B <i>031442544-0121</i>	223 - ADHESIVE/ BACKING FOR YELLOW WITH BLACK SHEET FLOORING	Gray Non-Fibrous Homogeneous		30% Quartz 10% Ca Carbonate 60% Non-fibrous (other)	None Detected
Sample is mortar.					
103014-48A <i>031442544-0122</i>	CORRIDOR 233 - WHITE FLOOR LEVELER/ COMPOUND	Gray Non-Fibrous Homogeneous		80% Gypsum 5% Ca Carbonate 15% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-48B 031442544-0123	CORRIDOR 233 - WHITE FLOOR LEVELER/ COMPOUND	Tan Non-Fibrous Homogeneous		40% Gypsum 15% Ca Carbonate 45% Non-fibrous (other)	None Detected
103014-49A 031442544-0124	229 - SETTING COMPOUND FOR 4" PLASTIC WALL TILE	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
103014-49B 031442544-0125	229 - SETTING COMPOUND FOR 4" PLASTIC WALL TILE	White Non-Fibrous Homogeneous	<1% Fibrous (other)	20% Ca Carbonate 80% Non-fibrous (other)	None Detected
103014-50A 031442544-0126	229 - GROUT FOR SETTING COMPOUND FOR 4" PLASTIC WALL TILE	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
103014-50B 031442544-0127	229 - GROUT FOR SETTING COMPOUND FOR 4" PLASTIC WALL TILE	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (other)	None Detected
103014-51A 031442544-0128	205 - YELLOW CARPET GLUE	Tan/Blue/Yellow Fibrous Heterogeneous	5% Synthetic 25% Cellulose	20% Ca Carbonate 40% Matrix 10% Non-fibrous (other)	None Detected
103014-51B 031442544-0129	204 - YELLOW CARPET GLUE	Brown Fibrous Heterogeneous	30% Synthetic	70% Non-fibrous (other)	None Detected
103014-52A 031442544-0130	226 - PIPE FITTINGS	White Fibrous Homogeneous		45% Non-fibrous (other)	55% Chrysotile

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			% Fibrous	% Non-Fibrous	% Type
103014-52B <i>031442544-0131</i>	WORKSHOP - PIPE FITTINGS				Stop Positive (Not Analyzed)
103014-52C <i>031442544-0132</i>	WORKSHOP - PIPE FITTINGS				Stop Positive (Not Analyzed)
103014-53A <i>031442544-0133</i>	226 - 2'X4' WHITE FISSURED SCT	Gray/White Fibrous Heterogeneous	35% Cellulose 50% Min. Wool	15% Non-fibrous (other)	None Detected
103014-53B <i>031442544-0134</i>	226 - 2'X4' WHITE FISSURED SCT	Tan/White Fibrous Homogeneous	58% Cellulose 15% Min. Wool	10% Perlite 17% Non-fibrous (other)	None Detected
103014-54A <i>031442544-0135</i>	130 - 12" MOCHA MOTTLED FT	Brown/Tan Non-Fibrous Heterogeneous		55% Ca Carbonate 40% Matrix 5% Non-fibrous (other)	None Detected
103014-54B <i>031442544-0136</i>	130 - 12" MOCHA MOTTLED FT	Beige Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (other)	None Detected
103014-55A <i>031442544-0137</i>	130 - BLACK MASTIC FOR 12" MOCHA MOTTLED FT	Black Non-Fibrous Homogeneous	7% Synthetic	78% Matrix 15% Non-fibrous (other)	None Detected
103014-55B <i>031442544-0138</i>	130 - BLACK MASTIC FOR 12" MOCHA MOTTLED FT	Black Non-Fibrous Homogeneous	4% Cellulose 10% Synthetic	86% Non-fibrous (other)	None Detected
103014-56A <i>031442544-0139</i>	CORRIDOR 327 - 6" WHITE FL. TILE	Gray/Tan Non-Fibrous Homogeneous		55% Ca Carbonate 40% Matrix 5% Non-fibrous (other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
103014-56B <i>031442544-0140</i>	CORRIDOR 327 - 6" WHITE FL. TILE	Gray/Tan Non-Fibrous Homogeneous		45% Ca Carbonate 50% Matrix 5% Non-fibrous (other)	None Detected
103014-57A <i>031442544-0141</i>	CORRIDOR 327 - YELLOW MASTIC FOR 6" WHITE FL. TILE	Yellow Non-Fibrous Homogeneous		5% Ca Carbonate 88% Matrix 7% Non-fibrous (other)	None Detected
103014-57B <i>031442544-0142</i>	CORRIDOR 327 - YELLOW MASTIC FOR 6" WHITE FL. TILE	Brown/Yellow Non-Fibrous Heterogeneous		92% Matrix 8% Non-fibrous (other)	None Detected
103014-58A <i>031442544-0143</i>	CORRIDOR 327 - FIRE HOUSE	Gray/Tan Fibrous Homogeneous	98% Synthetic	2% Non-fibrous (other)	None Detected
103014-58B <i>031442544-0144</i>	CORRIDOR 327 - FIRE HOUSE	Tan Fibrous Homogeneous	98% Synthetic	2% Non-fibrous (other)	None Detected
103014-59A <i>031442544-0145</i>	320 - 9" WHITE FT	Gray/Tan Non-Fibrous Homogeneous		53% Ca Carbonate 40% Matrix 5% Non-fibrous (other)	2% Chrysotile
103014-59B <i>031442544-0146</i>	320 - 9" WHITE FT				Stop Positive (Not Analyzed)
103014-60A <i>031442544-0147</i>	320 - YELLOW MASTIC/ BROWN MASTIC COMPOSITE	Brown/Yellow Non-Fibrous Heterogeneous		88% Matrix 12% Non-fibrous (other)	None Detected

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EMSL Order:	031442544
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ProjectID:	

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Project: 61.22573.0020 20069/ CT-DPW/ NURSES HOME/ SHORE RD./ WATERFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-60B 031442544-0148	320 - YELLOW MASTIC/ BROWN MASTIC COMPOSITE	Brown/Yellow Non-Fibrous Heterogeneous		92% Matrix 8% Non-fibrous (other)	None Detected
103014-61A 031442544-0149	316A - CEILING PLASTER/ SCRATCH COAT	Gray/White Non-Fibrous Homogeneous	<1% Cellulose <1% Hair	55% Quartz 35% Gypsum 5% Ca Carbonate 5% Non-fibrous (other)	None Detected
103014-61B 031442544-0150	323 - CEILING PLASTER/ SCRATCH COAT	Gray/White Non-Fibrous Homogeneous	<1% Cellulose <1% Hair	55% Quartz 30% Gypsum 5% Ca Carbonate 10% Non-fibrous (other)	None Detected
103014-61C 031442544-0151	306 - CEILING PLASTER/ SCRATCH COAT	White Non-Fibrous Homogeneous	4% Hair	40% Quartz 56% Non-fibrous (other)	None Detected
103014-62A 031442544-0152	ROOF - BLACK ROOFING CEMENT/ UNDER SLATE SHINGLES	Black Non-Fibrous Homogeneous		70% Matrix 20% Non-fibrous (other)	10% Chrysotile
103014-62B 031442544-0153	ROOF - BLACK ROOFING CEMENT/ UNDER SLATE SHINGLES				Stop Positive (Not Analyzed)
103014-63A 031442544-0154	ATTIC - BROWN BLOWN INSULATION	Gray/Tan Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected

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Project: 61.22573.0020 20069/ CT-DPW/ NURSES HOME/ SHORE RD./ WATERFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-63B 031442544-0155	ATTIC - BROWN BLOWN INSULATION	Gray/Tan Fibrous Homogeneous	98%	Cellulose	2% Non-fibrous (other) None Detected
103014-63C 031442544-0156	ATTIC - BROWN BLOWN INSULATION	Tan Fibrous Homogeneous	98%	Cellulose	2% Non-fibrous (other) None Detected
103014-64A 031442544-0157	226 - THERMAL MAG. PIPE INSULATION	White Fibrous Homogeneous			75% Non-fibrous (other) 25% Chrysotile
103014-64B 031442544-0158	WORKSHOP - THERMAL MAG. PIPE INSULATION				Stop Positive (Not Analyzed)
103014-64C 031442544-0159	BASEMENT CORRIDOR - THERMAL MAG. PIPE INSULATION				Stop Positive (Not Analyzed)
103014-65A 031442544-0160	WORKSHOP - 9" BEIGE FT	Tan Non-Fibrous Homogeneous			54% Ca Carbonate 35% Matrix 5% Non-fibrous (other) 6% Chrysotile
103014-65B 031442544-0161	WORKSHOP - 9" BEIGE FT				Stop Positive (Not Analyzed)
103014-66A 031442544-0162	WORKSHOP - BLACK MASTIC	Black Non-Fibrous Homogeneous			92% Matrix 8% Non-fibrous (other) None Detected
103014-66B 031442544-0163	WORKSHOP - BLACK MASTIC	Black Non-Fibrous Homogeneous			85% Matrix 15% Non-fibrous (other) None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	
103014-67A <i>031442544-0164</i>	WORKSHOP - 2'X4' WHITE PINHOLE FISSURED SCT	Tan/White Fibrous Heterogeneous	30% 45%	Cellulose Min. Wool	15% Perlite 10% Non-fibrous (other)	None Detected
103014-67B <i>031442544-0165</i>	WORKSHOP - 2'X4' WHITE PINHOLE FISSURED SCT	Brown/White Fibrous Homogeneous	45% 25%	Cellulose Min. Wool	12% Perlite 18% Non-fibrous (other)	None Detected
103014-68A <i>031442544-0166</i>	008 - WALL PANEL	Brown/White Fibrous Heterogeneous	94%	Cellulose	6% Non-fibrous (other)	None Detected
103014-68B <i>031442544-0167</i>	009 - WALL PANEL	Brown Fibrous Homogeneous	98%	Cellulose	2% Non-fibrous (other)	None Detected
103014-69A <i>031442544-0168</i>	008 - ADHESIVE FOR WALL PANEL	Yellow Non-Fibrous Homogeneous			5% Ca Carbonate 90% Matrix 5% Non-fibrous (other)	None Detected
103014-69B <i>031442544-0169</i>	009 - ADHESIVE FOR WALL PANEL	Brown Non-Fibrous Homogeneous	6%	Cellulose	94% Non-fibrous (other)	None Detected
103014-70A <i>031442544-0170</i>	BOILER ROOM - EXTERIOR/ BOILER INSULATION	White Fibrous Homogeneous			60% Non-fibrous (other)	40% Chrysotile
103014-70B <i>031442544-0171</i>	BOILER ROOM - EXTERIOR/ BOILER INSULATION					Stop Positive (Not Analyzed)

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-70C 031442544-0172	BOILER ROOM - EXTERIOR/ BOILER INSULATION				Stop Positive (Not Analyzed)
103014-71A 031442544-0173	BOILER ROOM - INTERIOR/ BOILER INSULATION	Gray/Tan Fibrous Homogeneous		35% Non-fibrous (other)	65% Chrysotile
103014-71B 031442544-0174	BOILER ROOM - INTERIOR/ BOILER INSULATION				Stop Positive (Not Analyzed)
103014-71C 031442544-0175	BOILER ROOM - INTERIOR/ BOILER INSULATION				Stop Positive (Not Analyzed)
103014-72A 031442544-0176	BOILER ROOM - FIRE BRICK/ INCINERATOR	Tan Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (other)	None Detected
103014-72B 031442544-0177	BOILER ROOM - FIRE BRICK/ INCINERATOR	Brown Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (other)	None Detected
103014-73A 031442544-0178	BOILER ROOM - MORTAR FOR FIRE BRICK/ INCINERATOR	Gray Non-Fibrous Homogeneous		60% Quartz 25% Ca Carbonate 15% Non-fibrous (other)	None Detected
103014-73B 031442544-0179	BOILER ROOM - MORTAR FOR FIRE BRICK/ INCINERATOR	Gray Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (other)	None Detected

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Project: 61.22573.0020 20069/ CT-DPW/ NURSES HOME/ SHORE RD./ WATERFORD, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-74A 031442544-0180	WATER TANK ROOM - WATER TANK INSULATION	Gray/White/Rust Fibrous Heterogeneous	10% Glass	55% Non-fibrous (other)	35% Chrysotile
103014-74B 031442544-0181	WATER TANK ROOM - WATER TANK INSULATION				Stop Positive (Not Analyzed)
103014-74C 031442544-0182	WATER TANK ROOM - WATER TANK INSULATION				Stop Positive (Not Analyzed)
103014-75A 031442544-0183	BOILER ROOM - BOILER BREECHING	Gray/White Fibrous Homogeneous		45% Non-fibrous (other)	55% Chrysotile
103014-75B 031442544-0184	BOILER ROOM - BOILER BREECHING				Stop Positive (Not Analyzed)
103014-75C 031442544-0185	BOILER ROOM - BOILER BREECHING				Stop Positive (Not Analyzed)
103014-76A 031442544-0186	FRONT BEACH SIDE - EXTERIOR/ WINDOW FRAME CAULK	Brown/Gray/Green Non-Fibrous Heterogeneous		94% Non-fibrous (other)	6% Chrysotile
103014-76B 031442544-0187	FRONT BEACH SIDE - EXTERIOR/ WINDOW FRAME CAULK				Stop Positive (Not Analyzed)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-77A 031442544-0188	REAR - EXTERIOR/ DOOR FRAME CAULK	Gray/Tan Non-Fibrous Heterogeneous		16% Ca Carbonate 45% Matrix 35% Non-fibrous (other)	4% Chrysotile
103014-77B 031442544-0189	REAR - EXTERIOR/ DOOR FRAME CAULK				Stop Positive (Not Analyzed)
103014-78A 031442544-0190	LOUNGE 132 - SETTING COMPOUND FOR QUARRY TILE/ WHITE	Gray Non-Fibrous Homogeneous		65% Quartz 15% Ca Carbonate 20% Non-fibrous (other)	None Detected
103014-78B 031442544-0191	LOUNGE 132 - SETTING COMPOUND FOR QUARRY TILE/ WHITE	Tan Non-Fibrous Homogeneous		58% Quartz 42% Non-fibrous (other)	None Detected
103014-79A 031442544-0192	LOUNGE 132 - GROUT FOR QUARRY TILE	Gray Non-Fibrous Homogeneous		70% Quartz 10% Ca Carbonate 20% Non-fibrous (other)	None Detected
103014-79B 031442544-0193	LOUNGE 132 - GROUT FOR QUARRY TILE	Tan Non-Fibrous Homogeneous		45% Quartz 3% Mica 52% Non-fibrous (other)	None Detected
103014-80A 031442544-0194	BASEMENT/ REAR DOOR - DOOR FRAME WINDOW GLAZE	Gray/Black/Rust Non-Fibrous Heterogeneous	6% Cellulose	44% Ca Carbonate 35% Matrix 15% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
103014-80B 031442544-0195	BASEMENT/ REAR DOOR - DOOR FRAME WINDOW GLAZE	Gray Non-Fibrous Homogeneous	10% Cellulose 2% Fibrous (other)	25% Ca Carbonate 63% Non-fibrous (other)	None Detected
103014-81A 031442544-0196	SIDE DOOR - DOOR WINDOW GLAZING	Gray/White Non-Fibrous Homogeneous		83% Ca Carbonate 15% Non-fibrous (other)	2% Chrysotile
103014-81B 031442544-0197	SIDE DOOR - DOOR WINDOW GLAZING				Stop Positive (Not Analyzed)

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Report Comments:

Sample Receipt Date:: 11/4/2014 Sample Receipt Time: 10:03 AM
Analysis Completed Date: 11/7/2014 Analysis Completed Time: 4:55 AM

Analyst(s):

Jon Williams PLM (50)

Steve Juszczuk PLM (125)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

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031442544

Cardno ATC Inspector: Steve Dugas Client Name: CT-DPW
 Accreditation No.: 287 Project No./Task No.: 61.22573.0020 20069
 Survey Date: 10.30.11 Project Manager: Edward Fennell
 Signature: [Signature] Requested Completion Date: _____
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR
 Building: Nurses Home Address: Shore Rd - Waterford, CT No. Samples Collected: _____

EMSL MANHATTAN LAB
 RECEIVED
 14 NOV - 4 AM 10:00
 Field Number: 103014-

Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
119A Corridor 134	Wall Plaster Skim	TSI MISC				3	103014-1B
207	└					4	103014-1D
316A	└					5	103014-1E
323	└					6	103014-1F
1111	Wall Plaster Base					3	103014-2A
	└					4	103014-2B
119 Corridor 134	Ceiling Plaster Skim					6	103014-2F
207	└					7	103014-3A
213	└					8	103014-3B
316A	└					9	103014-3D
323	└					10	103014-3E
1111	Ceiling Plaster Base					11	103014-3F
	└					12	103014-4A

Comments: Analyze via PCM Positive Step - Analyze All Plasters
 Date: 11/7/14
 Relinquished By/Date: [Signature] 10.30.11
 Relinquished By/Date: [Signature] 11/11/14 10:01AM
 Physical (sig dmg-dmg-no cimg) Water (extensive-moderate-slight-none)
 Disturbance Factors: Accessibility (within reach-barely reachable-not reachable)
 Proximity (<1ft - 1-6ft - >6ft)
 Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct)
 Deterioration (heavy-moderate-light-none)
 Vibration (gym-music m-auditorium-mechanical m-elevator-other)
 Air movement (high-moderate-low)
 Friability (yes-no; hard-mod-soft surface)
 Barriers (perm airtight-enclosed-encapsulated)
 Texture (rough-pitted-moderate-smooth)



BULK SAMPLE LOG

290 Roberts Street, Suite 301
 East Hartford, CT 06108
 (860) 282-9924 Fax: (860) 282-9826

031442544

Cardno ATC Inspector: Steve Douglas Stan Salog
 Accreditation No.: 287 493
 Survey Date: 10.30.14
 Signature: [Signature]
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR
 Building: Nurses Home Address: Shore Rd - Waterford, CT
 Client Name: CT-DPW
 Project No./Task No.: 61.22573.0020 20069
 Project Manager: Edward Sennell
 Requested Completion Date: 14 NOV 14
 No. Samples Collected: 14

Location	Material Description	Type S	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Corridor 134	Ceiling Plaster Base					7	103014-90
1178 Workshop	Joint Compound (white)					7	103014-96
1111	Gypsum Board					3	103014-97
119	Brown Sheet Flooring					3	103014-98
207	Adhesive/Backing for					2	103014-99
1111	12" TAN Mottled FT					2	103014-7A
1111	Yellow Mottled floor					2	103014-8A
119	Gray Cabinet Top (Sheet Flooring)					2	103014-9A
1111	Adhesive/Backing for					2	103014-10A
						2	103014-10B
						2	103014-11A
						2	103014-11B
						2	103014-12A
						2	103014-12B

Comments:

Analyze the No PCM Baseline Step - Analyze all Packets

Notes
 Damage Factors: Physical (sig ding-dmg-no) Water (extensive-moderate-slight-none)
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable)
 Ventilation (yes-no; if yes, type) Air consults (air plenum - air shaft - elevator shaft - duct)

Deterioration (heavy-moderate-slight-none)
 Vibration (gym-music-m-auditorium-mechanical-m-elevator-other)
 Air movement (high-moderate-low)
 Friability (yes-no; hard-mod-soft surface)
 Barriers (perm airtight-enclosed-encapsulated)
 Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: [Signature] 10.30.14
 Relinquished By/Date: [Signature] 11/16/14

Received By/Date: [Signature] 11/14/14 10:03 AM
 Received By/Date: [Signature] 11/16/14



Shaping the Future

BULK SAMPLE LOG

Page 4 of 10

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

031442544

Cardno ATC Inspector: Steve Douglas Client Name: CT-DPW
 Accreditation No.: 287 Project No./Task No.: 61.22573.0020 20069
 Survey Date: 10.30.14 Project Manager: Edward Fennell
 Signature: [Signature] Requested Completion Date: _____
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR No. Samples Collected _____
 Building: Nurses Home Address: Shore Rd - Waterford, CT

Location	Material Description	Type S	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
116-Kitchen	White Sink Undercoating						1	1030143
116-Bath	Vinyl Wall Panel						2	232
	Adhesive for						2	248
116-Kitchen	Exterior Window Glazing						2	259
	Wall Plaster Scratch Coat						2	264
							2	268
							7	27A
							7	27B
							7	27C
							7	27D
							2	28A
							2	28B
							2	29A
							2	29B
							2	30A
							2	30B

Comments: Analyze Via PLM Positive Step - Analyze All Plasters 11/7/14 3A

Notes: Damage Factors: Physical (sig dmg-dmg-no) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Relinquished By/Date: [Signature] 10.30.14
 Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Received By/Date: [Signature] 11/4/14 10:22AM
 Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth) Relinquished By/Date: _____



Shaping the Future

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

031442544

Client Name: **CT-DPW**
 Project No./Task No.: **61.22573.0020 20069**
 Project Manager: **Edward Scennell**
 Requested Completion Date: _____
 No. Samples Collected: _____

Cardno ATC Inspector: **Steve Douglas** | **Shan Sealing**
 Accreditation No.: **287** | **493**
 Survey Date: **10-30-14**
 Signature: *[Signature]*
 Lab Name: **EMSL** | Requested turnaround time (circle): **3 HR** 6 HR 24 HR 48 HR
 Building: **Nurses Home** | Address: **Shore Rd - Waterford, CT**

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
206	12" Grey Sheek FT					1/2	103019
206	Yellow Mastic for J					1/2	318
206	Black Sink Under coating					1/2	320
210	12" White FT					1/2	325
210	Yellow Mastic for J					1/2	33A
226	Yellow and Blue Sheet Flooring					1/2	33B
227	Adhesive / backing for J					1/2	34A
227	Adhesive / backing for J					1/2	34B
227	Adhesive / backing for J					1/2	35A
227	Adhesive / backing for J					1/2	35B
227	Adhesive / backing for J					1/2	36A
227	Adhesive / backing for J					1/2	36B
227	Adhesive / backing for J					1/2	37A
227	Adhesive / backing for J					1/2	37B
227	Adhesive / backing for J					1/2	38A
227	Adhesive / backing for J					1/2	38B
227	Adhesive / backing for J					1/2	39A
227	Adhesive / backing for J					1/2	39B
227	Adhesive / backing for J					1/2	40A
227	Adhesive / backing for J					1/2	40B

Comments: **Analyze via PLM Positive Step - Analyze All Flashes**

Notes:
 Damage Factors: Physical (slg dmg-dmg-no dmg) | Water (extensive-moderate-slight-none)
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) | Accessibility (within reach-barely reachable-not reachable) | Air circulation (air plenum - air shaft - elevator shaft - duct)
 Relinquished By/Date: *[Signature]* 10-30-14
 Relinquished By/Date: *[Signature]* 11/17/14
 Received By/Date: *[Signature]* 11/17/14
 Received By/Date: *[Signature]* 11/17/14

Frailability (yes-no; hard-mod-soft surface)
 Barriers (perm airtight-enclosed-encapsulated)
 Textures (rough-pitted-moderate-smooth)



BULK SAMPLE LOG

Page 6 of 10

290 Roberts Street, Suite 301
 East Hartford, CT 06108
 (860) 282-9924 Fax: (860) 282-9826

031442544

Cardno ATC Inspector: Steve Douglas Stan Salog
 Accreditation No.: 287 493
 Survey Date: 10-30-14
 Signature: [Signature]
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR
 Building: Nurses Home Address: Shore Rd - Waterford, CT
 Client Name: CT-DPW
 Project No./Task No.: 61,225,73,0070 20069
 Project Manager: Edward Sennell
 Requested Completion Date: _____
 No. Samples Collected: _____

Location	Material Description	Type S	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material)	Field Number
211	Yellow Mastic for 12" light Green Mortared FT	TSMISC				1/2	103014
210	12" Red FT					1/2	428
215	Yellow Mastic for FT					1/2	429
215	Beige Sheet Flooring					1/2	43A
215	Adhesive/Backing FT					1/2	43B
223	Yellow with Black Sheet Flooring					1/2	44A
223	Adhesive/Backing for FT					1/2	44B
Corridor 233	White Floor Gasket Compound					1/2	45A
229	Setting Compound for 90 Plastic Wall Tile					1/2	45B
229	Grout for FT					1/2	46A
						1/2	46B
						1/2	47A
						1/2	47B
						1/2	48A
						1/2	48B
						1/2	49A
						1/2	49B
						1/2	50A
						1/2	50B

Notes: Analyze via PLM Positive Step - Analyze All Plasters

Damage Factors: Physical (eig dmg-dmg-no) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none)
 Proximity (<1ft-1.5ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)
 Ventilation (yes-no; if yes, type) Air conducting (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low)

Relinquished By/Date: [Signature] 10-30-14 Received By/Date: _____
 Relinquished By/Date: _____ Received By/Date: _____

Reliability (yes-no; hard-mod-soft surface) _____
 Barriers (perm airtight-enclosed-encapsulated) _____
 Texture (rough-pitted-moderate-smooth) _____

11/7/17
 10/14/14 10:03 AM
 11/6/14 7:40 AM

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Cardno
ATC

Shaping the Future

BULK SAMPLE LOG

Page 8 of 10

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

031442544

Cardno ATC Inspector: Steve Douglas Stan Saling
 Accreditation No.: 287 493
 Survey Date: 10.30.14
 Signature: [Signature]
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR
 Building: Nurses Home Address: Shore Rd - Waterford, CT
 Client Name: CT-DPW
 Project No./Task No.: 61.22573.0020 20069
 Project Manager: Edward Fennell
 Requested Completion Date: _____
 No. Samples Collected: _____

Location	Material Description	Type S	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
316A 323 306	Ceiling Plaster - Scratch Coat						3	1030143
Roof	Black Roofing Cement - Under Slate Shingles						2	618-612
Attic	Brown Blown Insulation						3	625
225 Workshop Asbestos Carrier	Thermal/MAG Pipe Insulation						3	67A 63B 63C
Workshop	9" Berge FT						3	64A 64B 64C
Workshop	Black Mesh						2	67A 65B
609 609	2"x4" White Fiberglass Insulation						2	66R 66B
611	Wall Panel						2	67B
611	Adhesive for FT						2	68A 68B
Basement	Exterior Basement Insulation						2	68A 68B

Comments: Analyze - Via PLM - Positive Step - Analyze - All - Plaster

Notes:
 Damage Factors: Physical (sig dmg - dmg-no) Water (extensive-moderate-slight-none)
 Disturbance Factors: Proximity (<1ft - 1-6ft - >6ft) Accessibility (within reach - barely reachable - not reachable)
 Ventilation (yes-no) If yes, (type) Air conduits (air plenum - air shaft - elevator shaft - duct)
 Relinquished By/Date: [Signature] 10.30.14
 Relinquished By/Date: _____
 Received By/Date: _____
 Received By/Date: _____

Stability (yes-no; hard-mod-soft surface)
 Barriers (perm airtight-enclosed-encapsulated)
 Texture (rough-pitted-moderate-smooth)

[Signature] 10.03.14

[Handwritten Signature]

S:\BEGSel\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc

290 Roberts Street, Suite 301
 East Hartford, CT 06108
 (860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

031442544

Cardno ATC Inspector: Steve Douglas Shan Selig
 Accreditation No.: 287 493
 Survey Date: 10/30/14

Client Name: CT-DPW

Project No./Task No.: 61,22573,0020 20069
 Project Manager: Edward Fennell

Requested Completion Date:

Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR

Lab Name: EMSL

Address: Shore Rd - Waterford, CT

No. Samples Collected

EMSL MANHATTAN
 RECEIVED
 14 NOV 14 AM

Location	Material Description	Type S	TSI/MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field ID
Boiler Room	Insulator Boiler Insulation						1/3	1030145
	Fire Bricks - incinerator						2	
	Mortar for I						2	
Water-Tank Room	Water Tank insulation						2	72A 72B 73A 73B
Boiler Room	Boiler Breaching						3	74A 74B
First-Breach-Room	Exterior Window frames GULK						3	75A 75B
" "	Exterior Door frames GULK						2	76A 76B
Lounge 132	Setting Compound for Quarry Tile						2	77A 77B
	Grout for Quarry tile						2	78A 78B
Basement-Rear Door	Door frames Door Frame window Gluze						2	79A 79B
Comments:	<u>Analyze via PCM Positive Step - Analyze All Plasters</u>							

Relinquished By/Date: [Signature] 11/17/14
 Relinquished By/Date: [Signature] 11/14/14 10:03 AM

Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)
 Proximity (<1ft, 1-6ft, >6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)
 Disturbance Factors: Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Received By/Date: [Signature] 10/30/14
 Received By/Date: [Signature] 11/14/14 10:03 AM

11/16/14 746A



290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

031442544

Cardno ATC Inspector: Steve Douglas	Client Name: CT-DPW						
Accreditation No.: 287	Project No./Task No.: 61.22573.0020 20069						
Survey Date: 10.30.14	Project Manager: Edward Fennell						
Signature: <i>[Signature]</i>	Requested Completion Date: _____						
Lab Name: EMSL	No. Samples Collected: _____						
Building: Nurses Home	Address: Shore Rd - Waterford, CT						
Requested turnaround time (circle): 3 HR	Requested Completion Date: _____						
Requested turnaround time (circle): 3 DY	Requested Completion Date: _____						
Requested turnaround time (circle): 5 DY	Requested Completion Date: _____						
Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Side Door	Door Window 66x211	TSI MISC				2 2	103014
Side Door							103015
							103016
							103017
							103018
							103019
							103020
							103021
							103022
							103023
							103024
							103025
							103026
							103027
							103028
							103029
							103030

Comments: Analyze Via PLM Restave Step - Analyze All Patches 11/7/14

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft- 1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Vibration (sym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-enclosed-encapsulated)

Ventilation (yes-no; if yes, type) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: [Signature] 10.30.14 Received By/Date: _____

Relinquished By/Date: [Signature] 10.30.14 Received By/Date: _____

APPENDIX A
LICENSE AND CERTIFICATION



0002404 FP **PRSRT T8 0 1664 06108
STANLEY SZELAG
290 ROBERTS ST STE 301
ATC ASSOCIATES
EAST HARTFORD CT 06108-3656

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 (860) 509-7603
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308
<http://www.dph.state.ct.us>

Sincerely,



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

INSTRUCTIONS:

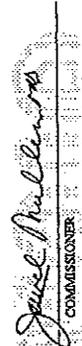
1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

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.

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

LICENSE NO.
000493
CURRENT THROUGH
01/31/15
VALIDATION NO.
03-697205

STANLEY SZELAG


SIGNATURE

COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

STANLEY SZELAG

VALIDATION NO.
03-697205

LICENSE NO.
000493

CURRENT THROUGH
01/31/15

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR


SIGNATURE

COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

STANLEY SZELAG

VALIDATION NO.
03-697205

LICENSE NO.
000493

CURRENT THROUGH
01/31/15

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR


SIGNATURE

COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Stanley Szelag

has successfully completed the
**Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763**

conducted by

**Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070**

Gregory J. Mosach

Principal Instructor

April 17, 2014

Date of Course

April 17, 2015

Expiration Date

Gregory J. Mosach

Regional Manager

SIAR-4859

Certificate Number

April 17, 2014

Examination Date

APPENDIX B
DRAWINGS



103014-75A	P
BI	55% CH
103014-75B	P
BI	NAPS
103014-75C	P
BI	NAPS
103014-71A	P
BI	65% CH
103014-71B	P
BI	NAPS
103014-71C	P
BI	NAPS
103014-74A	P
TI	35% CH
103014-74C	P
TI	NAPS
103014-74B	P
TI	NAPS

103014-70B	P
BI	NAPS
103014-70C	P
BI	NAPS
103014-70A	P
BI	40% CH

103014-52B	P
PFI	NAPS
103014-52C	P
PFI	NAPS
103014-64B	P
PI	NAPS

103014-81A	P
WG	2% CH

103014-65B	P
FT	NAPS

103014-64C	P
PI	NAPS

103014-28C	P
PI	NAPS

103014-65A	P
FT	6% CH

103014-28B	P
PI	NAPS

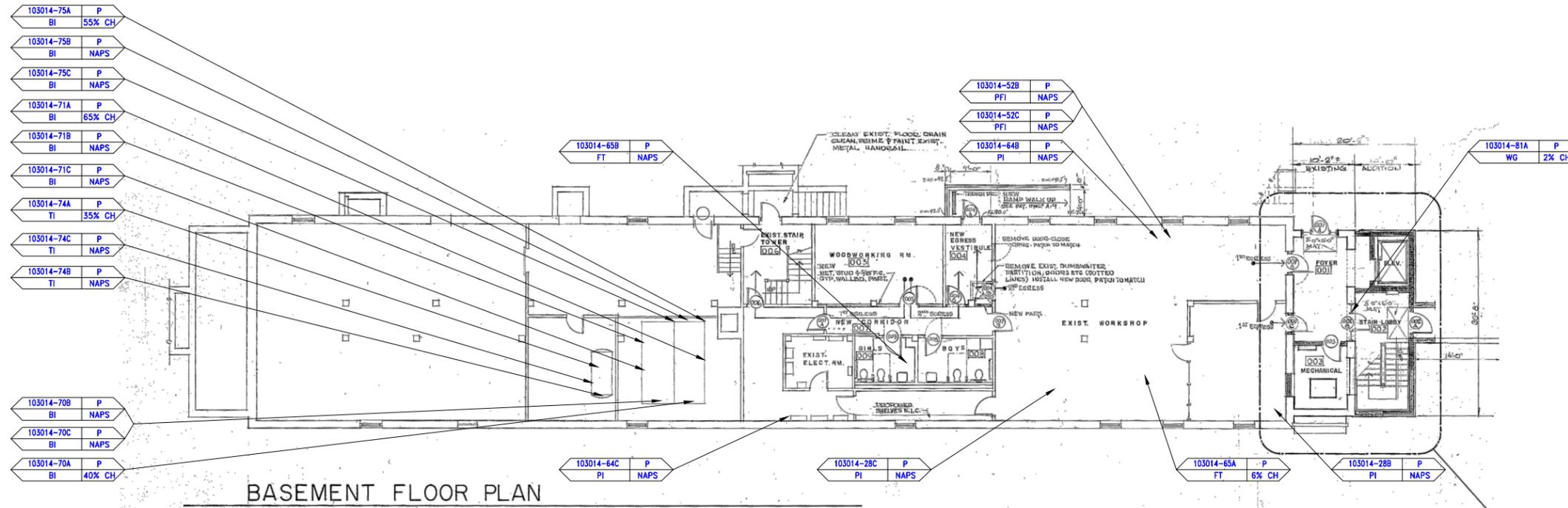
103014-9A	P
FT	ND
103014-77B	P
DC	NAPS

103014-76B	P
WC	NAPS

103014-81B	P
WG	NAPS
103014-33B	P
SU	NAPS
103014-76A	P
WC	6% CH

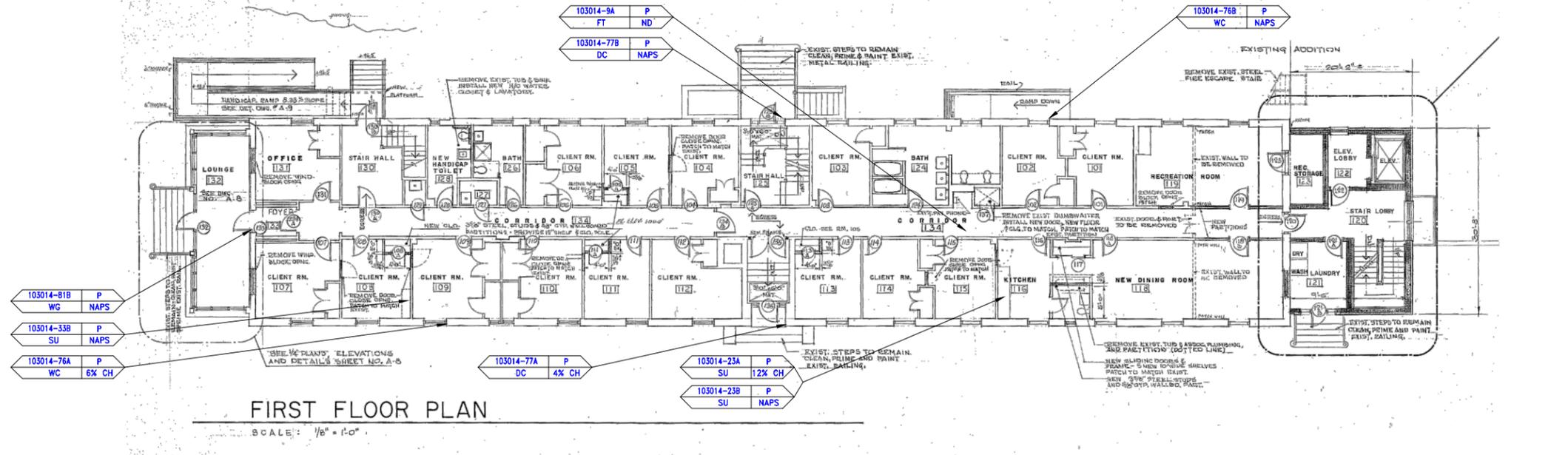
103014-77A	P
DC	4% CH

103014-23A	P
SU	12% CH
103014-23B	P
SU	NAPS



BASEMENT FLOOR PLAN

SCALE: 1/8" = 1'-0"



FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PW	= PIPE WRAP
RC	= ROOF CEMENT
RF	= ROOF FLASHING
RP	= ROOF PAPER
SCT	= SUSPENDED CEILING TILE
SS	= SINK SEALANT
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VW	= VALVE WRAP
WC	= WINDOW CAULKING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM FLOOR TILE ONLY
	ACM SHEET FLOORING
	ACM SINK UNDERCOAT
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM BREACHING INSULATION
	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK
	ACM DOOR CAULK
	ACM DOOR WINDOW GLAZING

NOTES

1. NOT ALL SYMBOLS IN THE LEGEND ARE USED IN THIS DRAWING.
2. BLACK ROOFING CEMENT UNDER SLATE SHINGLES AT ROOF AND DORMERS IS ACM.
3. ACM PIPE FITTING CEMENT AND PIPE INSULATION PRESENT INSIDE WET WALLS, CHASES.

drawing title		STATE OF CONNECTICUT	
ACM SAMPLE LOCATIONS		DEPARTMENT OF ADMINISTRATIVE SERVICES	
BASEMENT AND FIRST FLOOR PLAN		DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	
DRAWING PREPARED BY		DATE	
Gardno ATC		12/24/14	
PROJECT		SCALE	
BUILDING INSPECTION		1/4" = 1'	
NURSE'S BUILDING		DRAWN BY	
SEASIDE REGIONAL CENTER		BLS	
WATERFORD, CONNECTICUT		APPROVED BY	
		EF	
DRAWING NO.		DRAWING NO.	
SL-1		SL-1	



103014-35A P
SU 12% CH

103014-52A P
PFI 55% CH
103014-64A P
PI 25% CH

103014-44A P
LI 20% CH
103014-44B P
LI NAPS

103014-28A P
PI 45% CH

SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

103014-59A P
FT 2% CH
103014-59B P
FT NAPS

103014-98 P
FT 2% CH

THIRD FLOOR PLAN

SCALE: 1/8" = 1'-0"

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DUCT INSULATION
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PW	= PIPE WRAP
RC	= ROOF CEMENT
RF	= ROOF FLASHING
RP	= ROOF PAPER
SCT	= SUSPENDED CEILING TILE
SS	= SINK SEALANT
SU	= SINK UNDERCOAT
T	= TEXTURE
TC	= TEXTURED COATING
TR	= TRACE
VW	= VALVE WRAP
WC	= WINDOW CAULKING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

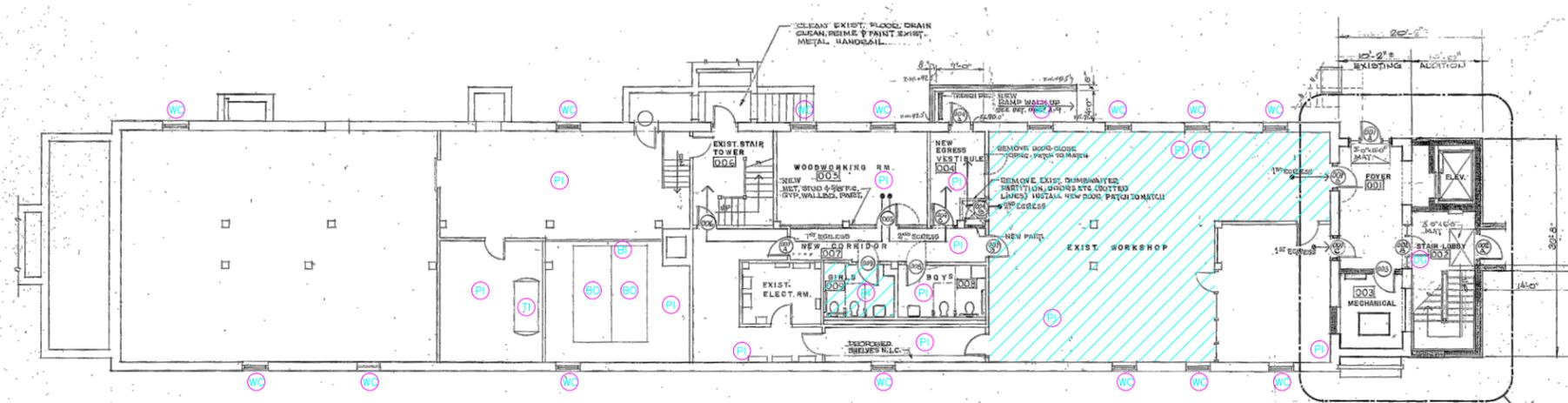
SYMBOL	MATERIAL DESCRIPTION
	ACM FLOOR TILE ONLY
	ACM SHEET FLOORING
	ACM SINK UNDERCOAT
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM BREACHING INSULATION
	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK
	ACM DOOR CAULK
	ACM DOOR WINDOW GLAZING

NOTES

- NOT ALL SYMBOLS IN THE LEGEND ARE USED IN THIS DRAWING.
- BLACK ROOFING CEMENT UNDER SLATE SHINGLES AT ROOF AND DORMERS IS ACM.
- ACM PIPE FITTING CEMENT AND PIPE INSULATION PRESENT INSIDE WET WALLS, CHASES.

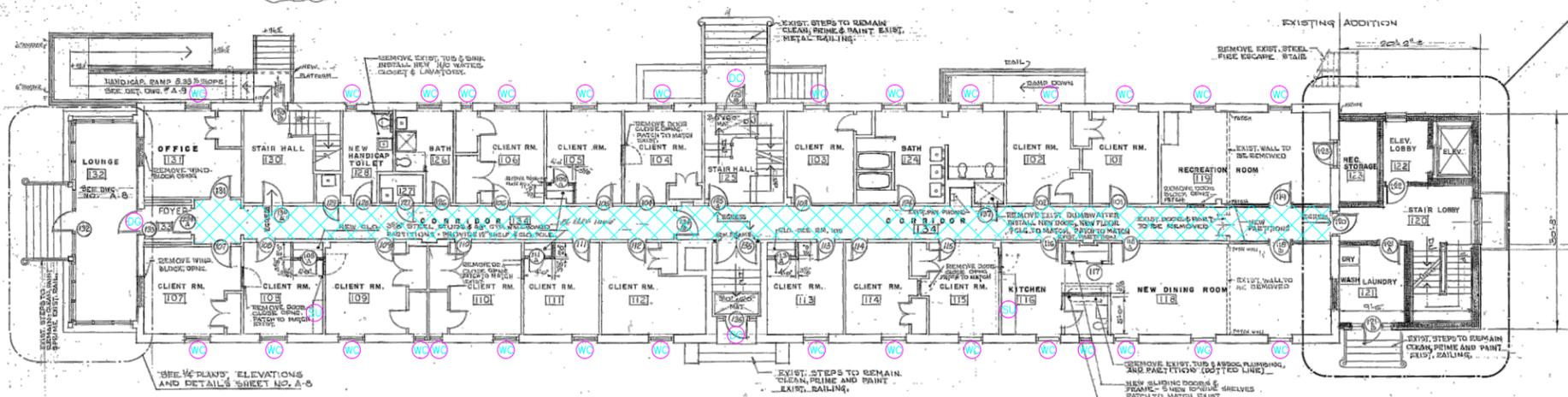
drawing title ACM SAMPLE LOCATIONS SECOND AND THIRD FLOOR PLANS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DRAWING PREPARED BY Cardno ATC 290, Roberts Street, Suite 201 Waterford, CT 06495-1000	
mark	date	description	date 12/24/14 SCALE 1/4" = 1' drawn by BLS approved by EF drawing no. SL-2
			project BUILDING INSPECTION NURSE'S BUILDING SEASIDE REGIONAL CENTER WATERFORD, CONNECTICUT
CAD no.	project no. 61.22573.0020 TASK 20069		





BASEMENT FLOOR PLAN

SCALE: 1/8" = 1'-0"



FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

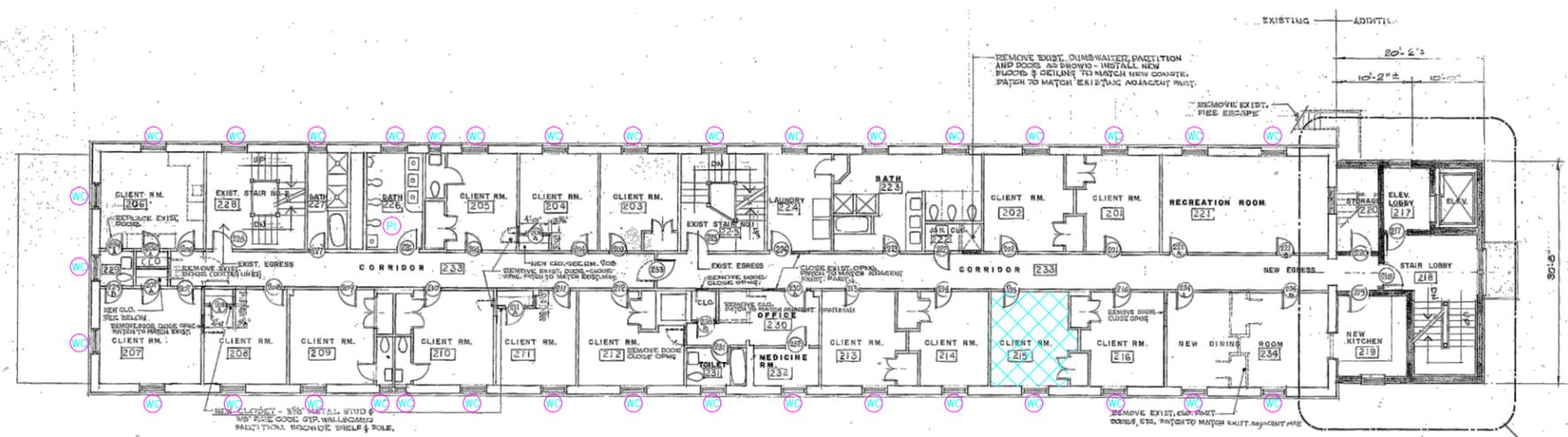
SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
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CH	= CHRYSOTILE
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DC	= DOOR CAULKING
DG	= DUCT GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
N	= NEGATIVE
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PM	= PIPE MASTIC
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RC	= ROOF CEMENT
RF	= ROOF FLASHING
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SCT	= SUSPENDED CEILING TILE
SS	= SINK SEALANT
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VW	= VALVE WRAP
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SYMBOL	MATERIAL DESCRIPTION
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	ACM SHEET FLOORING
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	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK
	ACM DOOR CAULK
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NOTES

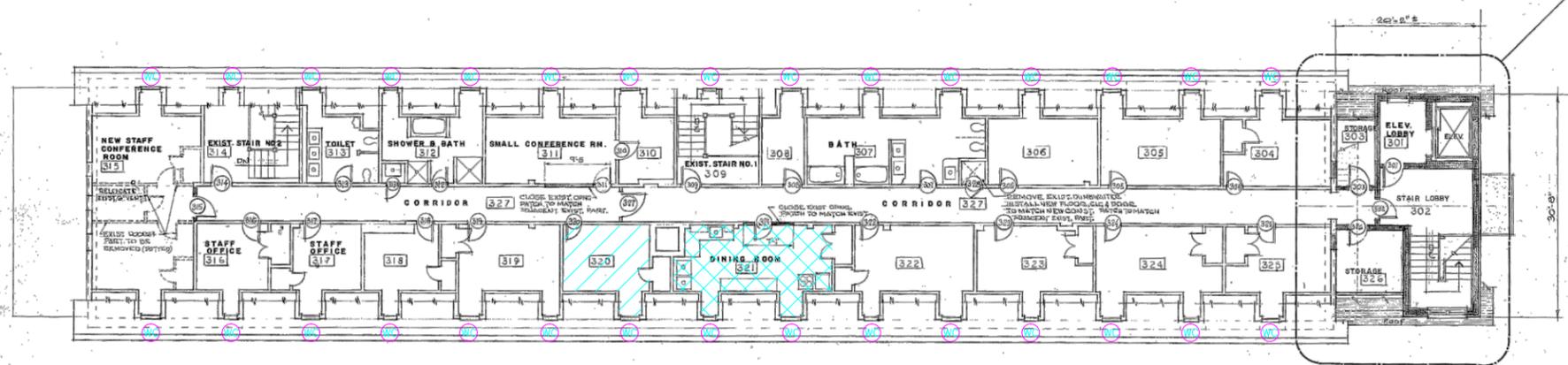
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drawing title		STATE OF CONNECTICUT	
ACM LOCATIONS		DEPARTMENT OF ADMINISTRATIVE SERVICES	
BASEMENT AND FIRST FLOOR PLAN		DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	
DRAWING PREPARED BY		date	
		12/24/14	
project		SCALE	
BUILDING INSPECTION		1/4" = 1'	
NURSE'S BUILDING		DRAWN BY	
SEASIDE REGIONAL CENTER		BLS	
WATERFORD, CONNECTICUT		APPROVED BY	
		EF	
drawing no.		drawing no.	
ASB-1		ASB-1	
CAD no.		project no.	
		61.22573.0020 TASK 20069	



SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"



THIRD FLOOR PLAN

SCALE: 1/8" = 1'-0"

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drawing title		STATE OF CONNECTICUT	
ACM LOCATIONS		DEPARTMENT OF ADMINISTRATIVE SERVICES	
SECOND AND THIRD FLOOR PLANS		DIVISION OF CONSTRUCTION SERVICES	
R E V I S I O N S			
mark	date	description	
DRAWING PREPARED BY		date	
		12/24/14	
project		SCALE	
BUILDING INSPECTION		1/4" = 1'	
NURSE'S BUILDING		DRAWN BY	
SEASIDE REGIONAL CENTER		BLS	
WATERFORD, CONNECTICUT		APPROVED BY	
		EF	
drawing no.		drawing no.	
ASB-2		ASB-2	
CAD no.		project no.	
		61.22573.0020 TASK 20069	

