

## **INSPECTION FOR ASBESTOS AND PCB-CONTAINING MATERIALS**

*Performed at:*

**STONY BROOK UNIVERSITY HOSPITAL  
101 NICOLLS ROAD  
STONYBROOK, NY  
LEVEL 4 – PHASE 2 RENOVATIONS**

*Performed for:*

**MR. KEVIN TUMULTY  
STONY BROOK UNIVERSITY  
ENVIRONMENTAL HEALTH AND SAFETY  
110 SUFFOLK HALL  
STONY BROOK, NY 11794**

*Prepared by:*

**NEW YORK ENVIRONMENTAL & ANALYTICAL LABORATORIES, INC.  
88 HARBOR ROAD  
PORT WASHINGTON, NEW YORK 11050**

**PROJECT NO. 42339**

**MARCH 4, 2015**

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## 1.0 BACKGROUND

New York Environmental & Analytical Laboratories, Inc., has conducted an asbestos survey for the presence of asbestos-containing materials (ACM) at the following building:

Location: Stony Brook Hospital  
Address: 101 Nicolls Road Stony Brook, NY  
Job #: 42339

The investigator and inspector responsible for this project were:

Kurt Bruno	NYS Inspector # 91-01492	Exp.: 10/15
James Wang	NYS Inspector # 08-17464	Exp.: 06/15

Site Visits: February 12, 2015  
Report Date: March 4, 2015

### Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, DOC #560/5-85-024, and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA).

Field information was organized as per the AHERA concept of homogenous area (HA). That is, suspect ACM with similar age, appearance, and texture was grouped together, sampled and assessed for condition.

Bulk samples of suspect ACM were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS).

The New York State Department of Health has recently revised the PLM Stratified Point Counting Method. The new method, "Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples" can be found as item 198.1 in the ELAP certification manual.

The State of New York ELAP has determined that analysis of non-friable organically bound materials (NOB's) is not reliably performed by PLM. Therefore, if PLM yields negative results for a non-friable material, it must be confirmed by Transmission Electron Microscopy (TEM).

All samples were initially analyzed by Polarized Light Microscopy. Samples which yielded a negative PLM result and which are classified as a "non-friable" material, were then re-analyzed utilizing Transmission Electron Microscopy methodology.



## 2.0 SCOPE OF WORK

The areas inspected for asbestos-containing materials and which may be impacted by the renovation work are the following:

1. Hospital Building, Level 4, Phase 2 Renovations Rooms & Corridors (4-410, 4-412, 4-412A, 4-498C, 4-564, 4-564A, 4-564B, 4-587, 4-625, 4-641, 4-642, 4-651, 4-651A, 4-651B, 4-652, 4-653, 4-654, 4-654A, 4-654B, 4-655, 4-656, 4-657, 4-689A, 4-689B, 4-689C, 4-689, 4-690, 4-691, 4-691A, 4-691B, 4-692, 4-692A, 4-692B, T4-061, T4-092, T4-231, T4-286, T4-808)

The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials found were sampled and inventoried for quantity, condition and friability.

Materials examined included:

- Hospital Building, Throughout, Ceiling Plenums, Throughout - Gray Cementitious Fireproofing
- Hospital Building, Throughout, Ceiling Plenums, Throughout - Gray Fibrous Fireproofing
- Hospital Building, Throughout, Ceiling Plenums, Throughout - Fiberglass Thermal System Insulation
- Hospital Building, Level 4, Throughout -White Gypsum Wallboard
- Hospital Building, Level 4, Throughout - White Joint Compound Associated with Gypsum Wallboard
- Hospital Building, Level 4, Throughout - Mastic Associated with Plastic Wall Protection Panels
- Hospital Building, Level 4, Throughout - Cinderblock Mortar
- Hospital Building, Level 4, Throughout - Cinderblock
- Hospital Building, Level 4, Bathroom Throughout Phase 2 - White Ceramic Wall Tile Mastic
- Hospital Building, Level 4, Bathroom Throughout Phase 2 - Gray Ceramic Wall Tile Grout
- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Ceramic Wall Tile
- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Gray Terrazzo Floor Tile Mortar
- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Gray Terrazzo Floor Tile Grout
- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Terrazzo Floor Tile
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2



#### Suspended Ceiling Tiles

- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Beige Bottom Layer 12"x12" Floor Tiles & Mastic
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - All Layers of Flooring Materials & Mastic Above 12"x12" Beige Floor Tiles (Linoleum, Carpet Mastic & 12x12 Floor Tiles)
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Yellow Mastic To Gray Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Gray Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Tan Mastic To Black Baseboard
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Black Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Black Mastic To Green Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Green Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Yellow Mastic To Brown Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Brown Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2 Fissured Suspended Ceiling Tiles
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2 Smooth Ceiling Tile
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2 Ceiling Tile, Fissured Pinhole
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Brown Caulking On Steel Beams
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - No Suspect Materials Associated with Mechanical / A/C Units
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Brown Duct Sealant
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Red Firestop Caulking
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Gray Duct Sealant
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Concealed Pipe Insulation
- Hospital Building, Level 4, Corridor, Throughout - Baseboard Radiator Backer Board



#### Insulation

- Hospital Building, Level 4, Corridor, Wall Chase - Black Caulking To Old Window
- Hospital Building, Level 4, Corridor, Wall Chase - Brown Caulking On Metal Beams
- Hospital Building, Level 4, Corridor, Wall Chase - Concealed Flashing / Waterproofing Material
- Hospital Building, Level 4, Nurses Station - Brown Metal Fire Door Core Insulation
- Hospital Building, Level 4, Nurses Station - 2x4 Suspended Ceiling Tiles
- Hospital Building, Level 4, Nurses Station, Bathroom - Gray 2x2 Ceramic Floor Tile Grout
- Hospital Building, Level 4, Mechanical Room 4-698 & 4-798 - Gray Floor Paint
- Hospital Building, Level 4, Mechanical Room 4-698 & 4-798 - Concrete Floor
- Hospital Building, Level 4, Mechanical Room 4-698 – CMU Wall
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors – Red Fire Stopping Material
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors – White Fire Stopping Material

### 3.0 SUMMARY OF INSPECTION RESULTS

The asbestos inspection was conducted on February 12, 2015 and involved a thorough visual examination of all areas and sampling of suspect materials, which would be impacted during Phase 2 proposed renovation.

Laboratory analysis confirmed the presence of asbestos in the amount greater than 1% within the samples collected from the following material:

- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Concealed Pipe Insulation
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Beige Bottom Layer 12"x12" Floor Tiles & Mastic
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - All Layers of Flooring Materials & Mastic Above 12"x12" Beige Floor Tiles (Linoleum, Carpet Mastic & 12x12 Floor Tiles)

Trace amounts (<1%) or no-asbestos were detected in the samples collected from the following materials.

- Hospital Building, Throughout, Ceiling Plenums, Throughout - Gray Cementitious Fireproofing
- Hospital Building, Throughout, Ceiling Plenums, Throughout - Gray Fibrous Fireproofing
- Hospital Building, Level 4, Throughout - White Gypsum Wallboard
- Hospital Building, Level 4, Throughout - White Joint Compound Associated with Gypsum Wallboard
- Hospital Building, Level 4, Throughout - Mastic Associated with Plastic Wall Protection Panels
- Hospital Building, Level 4, Throughout - Cinderblock Mortar
- Hospital Building, Level 4, Bathroom Throughout Phase 2 - White Ceramic Wall Tile Mastic
- Hospital Building, Level 4, Bathroom Throughout Phase 2 - Gray Ceramic Wall Tile Grout
- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Gray Terrazzo Floor Tile Mortar
- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Gray Terrazzo Floor Tile Grout
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2 Suspended Ceiling Tiles
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Yellow Mastic To Gray Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Gray Baseboard



## Molding

- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Tan Mastic To Black Baseboard
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Black Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Black Mastic To Green Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Green Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Yellow Mastic To Brown Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - Brown Baseboard Molding
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2 Fissured Suspended Ceiling Tiles
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2 Smooth Ceiling Tile
- Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors - White 2x2 Ceiling Tile, Fissured Pinhole
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Brown Caulking On Steel Beams
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Brown Duct Sealant
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Red Firestop Caulking
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Gray Duct Sealant
- Hospital Building, Level 4, Corridor, Throughout - Baseboard Radiator Backer Board Insulation
- Hospital Building, Level 4, Corridor, Wall Chase - Black Caulking To Old Window
- Hospital Building, Level 4, Corridor, Wall Chase - Brown Caulking On Metal Beams
- Hospital Building, Level 4, Nurses Station - Brown Metal Fire Door Core Insulation
- Hospital Building, Level 4, Nurses Station - 2x4 Suspended Ceiling Tiles
- Hospital Building, Level 4, Nurses Station, Bathroom - Gray 2x2 Ceramic Floor Tile Grout
- Hospital Building, Level 4, Mechanical Room 4-698 & 4-798 - Gray Floor Paint
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Red Fire Stopping Material
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - White Fire Stopping Material



The following materials were assumed to contain asbestos

- Hospital Building, Level 4, Corridor, Wall Chase - Concealed Flashing / Waterproofing Material

The following materials were found to be non-suspect.

- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Ceramic Wall Tile
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - No Suspect Materials Associated with Mechanical / A/C Units
- Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors - Terrazzo Floor Tile
- Hospital Building, Level 4, Throughout - Cinderblock
- Hospital Building, Throughout, Ceiling Plenums, Throughout - Fiberglass Thermal System Insulation
- Hospital Building, Level 4, Mechanical Room 4-698 & 4-798 - Concrete Floor

The following materials were found to be non-PCB containing materials.

- Hospital Building, Level 4, Corridor, Wall Chase - Brown Caulking On Metal Beams
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Brown Duct Sealant
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Red Firestop Caulking
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Gray Duct Sealant
- Hospital Building, Level 4, Corridor, Wall Chase - Black Caulking To Old Window
- Hospital Building, Level 4, Corridor, Wall Chase - Brown Caulking On Metal Beams
- Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors - Red Fire Stopping Material

#### 4.0 INSPECTION RESULTS

Proposed Work:	Homogenous Area No.	Location	Material	No. Of Samples	ACM Results	PCB Results	Notes
Phase 2 Renovations	23	Hospital Building, Throughout, Ceiling Plenums, Throughout	Gray Cementitious Fireproofing	7	Non ACM	---	NY 2015 SOF-V Analysis
	24	Hospital Building, Throughout, Ceiling Plenums, Throughout	Gray Fibrous Fireproofing	0	Non ACM	---	NYE 2013
	25	Hospital Building, Throughout, Ceiling Plenums, Throughout	Fiberglass Thermal System Insulation	0	Not Suspect Material	---	---
	7	Hospital Building, Level 4, Throughout	White Gypsum Wallboard	0	Non ACM	---	NYE 2013
	8	Hospital Building, Level 4, Throughout	White Joint Compound Associated with Gypsum Wallboard	0	Non ACM	---	NYE 2013
	9	Hospital Building, Level 4, Throughout	Mastic Associated with Plastic Wall Protection Panels	0	Non ACM	---	NYE 2013
	63	Hospital Building, Level 4, Throughout	Cinderblock Mortar	0	Non ACM	---	NYE 2013
	64	Hospital Building, Level 4, Throughout	Cinderblock	0	Not Suspect Material	---	---
	1	Hospital Building, Level 4, Bathroom Throughout Phase 2	White Ceramic Wall Tile Mastic	2	Non ACM	---	---
	1.1	Hospital Building, Level 4, Bathroom Throughout Phase 2	Gray Ceramic Wall Tile Grout	2	Non ACM	---	---

Proposed Work:	Homogenous Area No.	Location	Material	No. Of Samples	ACM Results	PCB Results	Notes
	1.2	Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors	Ceramic Wall Tile	0	Not Suspect Material	---	---
	2	Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors	Gray Terrazzo Floor Tile Mortar	2	Non ACM	---	---
	2.1	Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors	Gray Terrazzo Floor Tile Grout	2	Non ACM	---	---
	2.2	Hospital Building, Level 4, Bathroom Throughout Phase 2 Rooms & Corridors	Terrazzo Floor Tile	0	Not Suspect Material	---	---
	10	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	White 2x2 Suspended Ceiling Tiles	0	Non ACM	---	NYE 2013
	11.1	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Beige Bottom Layer 12"x12" Floor Tiles & Mastic	0	ACM	---	NYE 2013
	11	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	All Layers of Flooring Materials & Mastic Above 12"x12" Beige Floor Tiles (Linoleum, Carpet Mastic & 12x12 Floor Tiles)	0	ACM Contaminated	---	---
	15	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Yellow Mastic To Gray Baseboard Molding	0	Non ACM	---	NYE 2013

Proposed Work:	Homogenous Area No.	Location	Material	No. Of Samples	ACM Results	PCB Results	Notes
	16	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Gray Baseboard Molding	0	Non ACM	---	NYE 2013
	65	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Tan Mastic To Black Baseboard	0	Non ACM	---	Enviroscience Consultants, Inc. 3/11/2009
	66	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Black Baseboard Molding	0	Non ACM	---	Enviroscience Consultants, Inc. 3/11/2009
	4	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Black Mastic To Green Baseboard Molding	2	Non ACM	---	---
	4.1	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Green Baseboard Molding	2	Non ACM	---	---
	6	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Yellow Mastic To Brown Baseboard Molding	2	Non ACM	---	---
	6.1	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	Brown Baseboard Molding	2	Non ACM	---	---
	19	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	White 2x2 Fissured Suspended Ceiling Tiles	0	Non ACM	---	---
	20	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	White 2x2 Smooth Ceiling Tile	0	Non ACM	---	NYE 2013

Proposed Work:	Homogenous Area No.	Location	Material	No. Of Samples	ACM Results	PCB Results	Notes
	5	Hospital Building, Level 4, Throughout Phase 2 Rooms & Corridors	White 2x2 Ceiling Tile, Fissured Pinhole	2	Non ACM	---	---
	21	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	Brown Caulking On Steel Beams	0	Non ACM	Non PCB Containing	NYE 2013
	22	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	No Suspect Materials Associated with Mechanical / A/C Units	0	Not Suspect Material	---	---
	26	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	Brown Duct Sealant	0	Non ACM	Non PCB Containing	NYE 2013
	27	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	Red Firestop Caulking	0	Non ACM	Non PCB Containing	NYE 2013
	67	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	Red Firestop Material	0	Non ACM	Non PCB Containing	NYE 2013
	68	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	White Firestop Material	0	Non ACM	---	NYE 2013

Proposed Work:	Homogenous Area No.	Location	Material	No. Of Samples	ACM Results	PCB Results	Notes
	28	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	Gray Duct Sealant	0	Non ACM	Non PCB Containing	NYE 2013
	62	Hospital Building, Level 4, Ceiling Plenums, Throughout Phase 2 Rooms & Corridors	Concealed Pipe Insulation	0	ACM	---	Enviroscience Consultants, Inc. 06/15/2012
	35	Hospital Building, Level 4, Corridor, Throughout	Baseboard Radiator Backer Board Insulation	0	Assumed ACM	---	See note 1
	36	Hospital Building, Level 4, Corridor, Wall Chase	Black Caulking To Old Window	0	Non ACM	Non PCB Containing	NYE 2013
	37	Hospital Building, Level 4, Corridor, Wall Chase	Brown Caulking On Metal Beams	0	Non ACM	Non PCB Containing	NYE 2013
	67	Hospital Building, Level 4, Corridor, Wall Chase	Concealed Flashing / Waterproofing Material	0	Assumed ACM	---	See note 1
	38	Hospital Building, Level 4, Nurses Station	Brown Metal Fire Door Core Insulation	0	Non ACM	---	NYE 2013
	39	Hospital Building, Level 4, Nurses Station	2x4 Suspended Ceiling Tiles	0	Non ACM	---	NYE 2013
	40	Hospital Building, Level 4, Nurses Station, Bathroom	Gray 2x2 Ceramic Floor Tile Grout	0	Non ACM	---	NYE 2013
	58	Hospital Building, Level 4, Mechanical Room 4-698 & 4-798	Gray Floor Paint	0	Non ACM	---	NYE 2013

Proposed Work:	Homogenous Area No.	Location	Material	No. Of Samples	ACM Results	PCB Results	Notes
	59	Hospital Building, Level 4, Mechanical Room 4-698 & 4-798	Concrete Floor	0	Not Suspect Material	---	NYE 2013
	61	Hospital Building, Level 4, Mechanical Room 4-698	CMU Walls	0	Not Suspect Material	---	NYE 2013

ACM: Analysis confirmed the presence of asbestos in the amount greater than 1% within the samples collected.

Non ACM: Trace amounts (<1%) or no-asbestos were detected in the samples collected.

Non PCB Containing: Below the US EPA limit of 50 PPM (mg/kg) for disposal as a regulated hazardous waste.

PCB Containing: Exceeds the US EPA limit of 50 PPM (mg/kg) for disposal as a regulated hazardous waste.

Note 1: This material was assumed ACM due to its height, because it was energized, or because the material could only be accessed through destructive means.

Note 2: Phase 2 rooms and corridors are the following : 4-410, 4-412, 4-412A, 4-498C, 4-564, 4-564A, 4-564B, 4-587, 4-625, 4-641, 4-642, 4-651, 4-651A, 4-651B, 4-652, 4-653, 4-654, 4-654A, 4-654B, 4-655, 4-656, 4-657, 4-689A, 4-689B, 4-689C, 4-689, 4-690, 4-691, 4-691A, 4-691B, 4-692, 4-692A, 4-692B, T4-061, T4-092, T4-231, T4-286, T4-808

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

Asbestos-containing materials, which may be affected by the scope of work, have been positively identified at various locations throughout the building.

In the event that the identified ACM is to be disturbed by the proposed renovation work, proper asbestos abatement procedures shall be implemented prior to the commencement of such work.

All asbestos abatement work shall be performed in accordance with all applicable Federal, State and local rules and regulations. The abatement project shall be filed with all agencies having jurisdiction over this project, such as USEPA and NYDOL.

A licensed abatement contractor must perform the removal of all friable and non-friable ACM. New York Environmental & Analytical Laboratories, Inc., believes that the implementation of these recommendations will serve to best protect human health and the environment.

This inspection was conducted solely for the (scope of work). If proposed work should change, additional samples may be necessary prior to any commencement of proposed work.

To assure that the removal of the aforementioned ACM is properly and effectively carried out, the following recommendations are proposed by New York Environmental & Analytical Laboratories, Inc.

- A. Develop and implement a schedule that outlines the time frame for removal of asbestos-containing materials.
- B. Develop complete and concise specifications to effectively deal with removal of asbestos-containing material. These specifications should be developed to comply with all applicable Federal, State and Local regulations.
- C. Retain the service of an independent testing laboratory to monitor the quality of the air before, during and after the removal work. Retain all documentation and correspondence from the removal contractor, the testing laboratory and related items in a permanent record.



## **6.0 AREAS NOT ACCESSIBLE**

New York Environmental & Analytical Laboratories, Inc. inspected and sampled materials, which were observable and accessible to the survey team. It is possible, however, that additional suspect ACM may exist under concealed spaces, which were not accessible without using destructive means. Any materials that have not been tested and/or found asbestos positive must be assumed ACM.

## **APPENDIX A**

### **7.0 ANALYTICAL RESULTS AND CHAIN OF CUSTODY CERTIFICATES OF ANALYSIS**

## LABORATORY RESULTS

HA NO.	Sample No.	Lab ID No.	Location	Material	PLM Result % Asbestos	PLM-NOB % Asbestos	TEM-NOB % Asbestos
1	1	13042-1	Hospital Building, 4th Floor	White Ceramic Wall Tile Mastic	None Detected	---	---
1	2	13042-2	Hospital Building, 4th Floor	White Ceramic Wall Tile Mastic	None Detected	---	---
1.1	3	13042-3	Hospital Building, 4th Floor	Gray Ceramic Wall Tile Grout	None Detected	---	---
1.1	4	13042-4	Hospital Building, 4th Floor	Gray Ceramic Wall Tile Grout	None Detected	---	---
2	5	13042-5	Hospital Building, 4th Floor	Gray Terrazzo Floor Tile Mortar	None Detected	---	---
2	6	13042-6	Hospital Building, 4th Floor	Gray Terrazzo Floor Tile Mortar	None Detected	---	---
2.1	7	13042-7	Hospital Building, 4th Floor	Gray Terrazzo Floor Tile Grout	None Detected	---	---
2.1	8	13042-8	Hospital Building, 4th Floor	Gray Terrazzo Floor Tile Grout	None Detected	---	---
3	9	13042-9	Hospital Building, 4-653	Yellow Mastic To Gray Wall Paper	---	None Detected	None Detected
3	10	13042-10	Hospital Building, 4-653	Yellow Mastic To Gray Wall Paper	---	None Detected	None Detected
4	11	13042-11	Hospital Building, 4-653	Black Mastic To Green Baseboard Molding	---	None Detected	None Detected
4	12	13042-12	Hospital Building, 4-653	Black Mastic To Green Baseboard Molding	---	None Detected	None Detected
4.1	13	13042-13	Hospital Building, 4-653	Green Baseboard Molding	---	None Detected	None Detected
4.1	14	13042-14	Hospital Building, 4-653	Green Baseboard Molding	---	None Detected	None Detected
5	15	13042-15	Hospital Building, 4th Floor	White 2x2 Ceiling Tile, Fissured Pinhole	---	None Detected	None Detected
5	16	13042-16	Hospital Building, 4th Floor	White 2x2 Ceiling Tile, Fissured Pinhole	---	None Detected	None Detected
6	17	13042-17	Hospital Building, 4-466	Yellow Mastic To Brown Baseboard Molding	---	None Detected	None Detected
6	18	13042-18	Hospital Building, 4-466	Yellow Mastic To Brown Baseboard Molding	---	None Detected	None Detected
6.1	19	13042-19	Hospital Building, 4-466	Brown Baseboard Molding	---	None Detected	None Detected
6.1	20	13042-20	Hospital Building, 4-466	Brown Baseboard Molding	---	None Detected	None Detected
23	1	31638SOF-1	Hospital Building, Level 1	Grey Cementitious Fireproofing	None Detected	---	---
23	2	31638SOF-2	Hospital Building, Level 2	Grey Cementitious Fireproofing	None Detected	---	---

23	3	31638SOF-3	Hospital Building, Level 3	Grey Cementitious Fireproofing	None Detected	---	---
23	4	31638SOF-4	Hospital Building, Level 3	Grey Cementitious Fireproofing	None Detected	---	---
23	5	31638SOF-5	Hospital Building, Level 4	Grey Cementitious Fireproofing	None Detected	---	---
23	6	31638SOF-6	Hospital Building, Level 5	Grey Cementitious Fireproofing	None Detected	---	---
23	7	31638SOF-7	Hospital Building, Level 8	Grey Cementitious Fireproofing	None Detected	---	---

BATCH #	PLM	PLM-NOB	TEM-NOB	PNA	PLM-SOF-V
13042	8	12	12	0	0
31638SOF	0	0	0	0	7

## PLM ANALYTICAL REPORT

### Project Information

NYE Project No.: **42339**  
Client Project No.: **42339**  
Street: **101 Nicolls Road**  
City: **Stonybrook, NY**

### Sample Information

Field Tech: **J. Wang**  
Total Samples:  
Date Sampled: **2/12/2015**  
Date Received: **2/24/2015**  
Date Analyzed: **2/24/2015**  
Date Reported: **3/3/2015**

### Client Information

Client No.: **12630**  
Name: **State Univ. of NY @ Stony Brook**  
Street: **110 Suffolk Hall/ Dept. of Env H**  
City/State/Zip: **Stony Brook NY 11794**  
Phone/Fax: **(516) 632-6410 (516) 632-6319**  
Contact: **Kathy Terwilliger**

## ANALYTICAL RESULTS

LAB NO.	SAMPLE NO.	SAMPLE LOCATION	NOB	% OF ASBESTOS	OTHER MATERIAL
13042-1	1	Hospital Building, 4th Floor; White Ceramic Wall Tile Mastic	<input type="checkbox"/>	None Detected	Quartz, Gypsum
13042-2	2	Hospital Building, 4th Floor; White Ceramic Wall Tile Mastic	<input type="checkbox"/>	None Detected	Quartz, Gypsum
13042-3	3	Hospital Building, 4th Floor; Gray Ceramic Wall Tile Grout	<input type="checkbox"/>	None Detected	Feldspar
13042-4	4	Hospital Building, 4th Floor; Gray Ceramic Wall Tile Grout	<input type="checkbox"/>	None Detected	Feldspar
13042-5	5	Hospital Building, 4th Floor; Gray Terrazzo Floor Tile Mortar	<input type="checkbox"/>	None Detected	Quartz, Gypsum
13042-6	6	Hospital Building, 4th Floor; Gray Terrazzo Floor Tile Mortar	<input type="checkbox"/>	None Detected	Quartz, Gypsum
13042-7	7	Hospital Building, 4th Floor; Gray Terrazzo Floor Tile Grout	<input type="checkbox"/>	None Detected	Feldspar
13042-8	8	Hospital Building, 4th Floor; Gray Terrazzo Floor Tile Grout	<input type="checkbox"/>	None Detected	Feldspar
13042-9	9	Hospital Building, 4-653; Yellow Mastic To Gray Wall Paper	<input checked="" type="checkbox"/>	None Detected	Binding Material
13042-10	10	Hospital Building, 4-653; Yellow Mastic To Gray Wall Paper	<input checked="" type="checkbox"/>	None Detected	Binding Material

Comment:

### Lab. Accreditation

NVLAP Lab Code 101967-0  
ELAP #: 11510

### Test Method

EPA 600/M4-82-020  
NYS DOH ELAP Method 198.6

**Li Tsang**  
Microscopist

**Li Tsang,**  
Laboratory Director

The report relates only to the item tested and no other either expressed or implied. This report cannot be used in part and may only be used in full with this laboratory's approval. This report must not be used in any way to claim product endorsement by New York Environmental. ELAP of NYSDOH. NVLAP of NIST. and/or any other agencies issuing related certifications and/or accreditations. "Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing"



## PLM ANALYTICAL REPORT

### Project Information

NYE Project No.: **42339**  
Client Project No.: **42339**  
Street: **101 Nicolls Road**  
City: **Stonybrook, NY**

### Sample Information

Field Tech: **J. Wang**  
Total Samples:  
Date Sampled: **2/12/2015**  
Date Received: **2/24/2015**  
Date Analyzed: **2/24/2015**  
Date Reported: **3/3/2015**

### Client Information

Client No.: **12630**  
Name: **State Univ. of NY @ Stony Brook**  
Street: **110 Suffolk Hall/ Dept. of Env H**  
City/State/Zip: **Stony Brook NY 11794**  
Phone/Fax: **(516) 632-6410 (516) 632-6319**  
Contact: **Kathy Terwilliger**

## ANALYTICAL RESULTS

LAB NO.	SAMPLE NO.	SAMPLE LOCATION	NOB	% OF ASBESTOS	OTHER MATERIAL
13042-11	11	Hospital Building, 4-653; Black Mastic To Green Baseboard Molding	✓	None Detected	Binding Material
13042-12	12	Hospital Building, 4-653; Black Mastic To Green Baseboard Molding	✓	None Detected	Binding Material
13042-13	13	Hospital Building, 4-653; Green Baseboard Molding	✓	None Detected	Rubber
13042-14	14	Hospital Building, 4-653; Green Baseboard Molding	✓	None Detected	Rubber
13042-15	15	Hospital Building, 4th Floor; White 2x2 Ceiling Tile, Fissured Pinhole	✓	None Detected	(40) Cellulose, (20) Fiberglass, Gypsum, Foam
13042-16	16	Hospital Building, 4th Floor; White 2x2 Ceiling Tile, Fissured Pinhole	✓	None Detected	(40) Cellulose, (20) Fiberglass, Gypsum, Foam
13042-17	17	Hospital Building, 4-466; Yellow Mastic To Brown Baseboard Molding	✓	None Detected	Binding Material
13042-18	18	Hospital Building, 4-466; Yellow Mastic To Brown Baseboard Molding	✓	None Detected	Binding Material
13042-19	19	Hospital Building, 4-466; Brown Baseboard Molding	✓	None Detected	Rubber
13042-20	20	Hospital Building, 4-466; Brown Baseboard Molding	✓	None Detected	Rubber

Comment:

### Lab. Accreditation

NVLAP Lab Code 101967-0  
ELAP #: 11510

### Test Method

EPA 600/M4-82-020  
NYS DOH ELAP Method 198.6

**Li Tsang**  
Microscopist

**Li Tsang,**  
Laboratory Director

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Client: NEW YORK ENVIRONMENTAL  
88 HARBOR ROAD  
PORT WASHINGTON, NY 11050

Phone: (516) 944-9507

Sample Date: 2/12/2015

Date Received: 2/23/2015

Date Analyzed: 2/23/2015

Project: STONY BROOK HOSPITAL  
101 NICOLLS ROAD, STONY BROOK NY

Cardno ATC Batch # 31638SOF

Methods: ELAP 198.8

Project # 42339

### SOF-V Bulk Asbestos Analysis Results

Sample #	Location	Type of Material	Method	Non-Asbestos		Asbestos
				% Type		% Type
01	HOSPITAL BUILDING, LEVEL 1	CEMENTATIOUS FIREPROOFING / GREY	PLM	15.7989% Organic	0.2713% Floats	NONE DETECTED
31638SOF -1				58.6321% Acid Soluble	25.2977% Residue	
Color: TAN			Comments: Vermiculite confirmed			
Analyzed By: Milena Bonezzi		Second Analyst: Mei Wang				
02	HOSPITAL BUILDING, LEVEL 2	CEMENTATIOUS FIREPROOFING / GREY	PLM	13.5256% Organic	0.4095% Floats	0.0671% Amphibole
31638SOF -2				52.8540% Acid Soluble	33.1438% Residue	
Color: TAN						
Analyzed By: Milena Bonezzi		Second Analyst: Mei Wang				
03	HOSPITAL BUILDING, LEVEL 3	CEMENTATIOUS FIREPROOFING / GREY	PLM	13.3262% Organic	0.1017% Floats	0.0288% Amphibole
31638SOF -3				52.9211% Acid Soluble	33.6222% Residue	
Color: TAN						
Analyzed By: Milena Bonezzi		Second Analyst: Mei Wang				
04	HOSPITAL BUILDING, LEVEL 3	CEMENTATIOUS FIREPROOFING / GREY	PLM	12.9941% Organic	6.6333% Floats	0.0236% Amphibole
31638SOF -4				52.9709% Acid Soluble	27.3781% Residue	
Color: TAN						
Analyzed By: Milena Bonezzi		Second Analyst: Mei Wang				
05	HOSPITAL BUILDING, LEVEL 4	CEMENTATIOUS FIREPROOFING / GREY	PLM	10.1755% Organic	0.2945% Floats	NONE DETECTED
31638SOF -5				64.4866% Acid Soluble	25.0434% Residue	
Color: TAN						
Analyzed By: Milena Bonezzi		Second Analyst: Mei Wang				
06	HOSPITAL BUILDING, LEVEL 5	CEMENTATIOUS FIREPROOFING / GREY	PLM	17.7905% Organic	0.1212% Floats	Trace Amphibole
31638SOF -6				52.2660% Acid Soluble	29.8222% Residue	
Color: TAN						
Analyzed By: Milena Bonezzi		Second Analyst: Mei Wang				
07	HOSPITAL BUILDING, LEVEL 8	CEMENTATIOUS FIREPROOFING / GREY	PLM	18.6511% Organic	0.2979% Floats	Trace Amphibole
31638SOF -7				47.5125% Acid Soluble	33.5384% Residue	
Color: TAN						
Analyzed By: Milena Bonezzi		Second Analyst: Mei Wang				
						Total Asbestos: TRACE <sup>13</sup>



**Cardno**  
**ATC**

Shaping the Future

**Cardno ATC**  
104 E. 25th Street, 10th Floor  
New York, NY 10010  
Tel. 212-353-8280  
Fax: 212-353-8306

Sample #	Location	Type of Material	Method	<u>Non-Asbestos</u>	<u>Asbestos</u>
				% Type	% Type

NOTES:

- 1) The Limit of Detection is the same as the Reporting Limit for these results.
- 2) The Reporting Limit (RL) is the Limit of Quantitation. For point counts the limit of quantitation of 0.25%; based on one asbestos point counter over 400 non-empty points.
- 3) Asbestos Containing Material (ACM) Definition: > 1% asbestos by weight is considered an ACM
- 4) Disclaimer: The laboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be reproduced, except in full, without written approval by Cardno ATC. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above as described in the chain of custody. Quality control data is available upon request.
- 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879
- 6) Confidentiality Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above.
- 7) Liability Notice: Cardno ATC and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitted and analyzed.
- 8) Asbestos results are reliable to 2 significant figures.
- 9) The condition of all samples was acceptable upon receipt.
- 10) The laboratory certifies that the test results meet all requirements of NELAC.
- 11) Supplement to test report batch # \_\_\_\_\_ Amendments: \_\_\_\_\_ Amendment Dates: \_\_\_\_\_ Amended by: \_\_\_\_\_
- 12) PLM Letter is attached on this report.
- 13) TRACE: The result is reported as Trace when No points are counted and asbestos is identified. For ELAP Trace is < 1%.
- 14) Cardno ATC certifies that this report is an accurate and authentic report of the results obtained from the laboratory analysis

Milena Bonezzi

Analyst:

Mei Wang

Analyst:

Milena Bonezzi

Approved by  
Laboratory Director:




BULK SAMPLING CHAIN OF CUSTODY FORM

CLIENT Spartan Creek	PROJECT LOCATION Spartan Creek Hospital	DATE SAMPLED 2/12/15
INSPECTOR(S) Mort Kern / Sam Lewis	PROJECT ADDRESS 101 Nicolls Rd	DATE RECEIVED 2/24/15
PROJECT MANAGER Lance Bruno	Spartan Creek	DATE ANALYZED 2/24/15
PROJECT NO. 42339	WORK LOCATION	TIME 1720
		ANALYST CJ

HA NO	NYE QC NO	SAMPLE NO.	LOCATION / DESCRIPTION	WALL NO.	X	Y	COLOR	PLM	NOB	TEM
		1	Hospital Building, Ceramic Wall Tile Mastic 4th Lab				beige white			
		2					↓			
		3	Ceramic wall Tile Grout				grey			
		4					↓			
		5	Terrazzo Floor Tile Mastic							
		6								
		7	Terrazzo Floor Tile Grout				↓			
		8					↓			
		9	Hospital Building, 1st Wall Paper Plastic 4-653				yellow			
RELINQUISHED (PRINT) Spartan Creek	DATE 2/24/15	TIME 11:00	SIGNATURE	RECEIVED (PRINT) Wesley	DATE 2/24/15	TIME 1100	SIGNATURE			
RELINQUISHED (PRINT)	DATE	TIME	SIGNATURE	RECEIVED (PRINT)	DATE	TIME	SIGNATURE			

# BULK SAMPLING CHAIN OF CUSTODY FORM

CLIENT Sloan Krack	PROJECT LOCATION Sloan Krack Hospital	DATE SAMPLED 2/12/15
INSPECTOR(S) Matt Krack / Sam L...	PROJECT ADDRESS 101 Krolls RD	DATE RECEIVED 2/23/15
PROJECT MANAGER Matt Krack	Sloan Krack	DATE ANALYZED 2/24/15
PROJECT NO. 42339	WORK LOCATION	TIME 1:20
		ANALYST WJ

HA NO	NYE QC NO.	SAMPLE NO.	LOCATION / DESCRIPTION	WALL NO.	X	Y	COLOR	PLM	NOB	TEM
		10	Hospital Bldg, Gray Wall Paper Mastic 4-653				Yellow		—	
		11	Hospital Bldg, <del>Green</del> Mastic to 4-453, Green Baseboard Mastic				black		—	
		12	↓				↓		—	
		13	Green Baseboard Mastic				GR		—	
		14	↓				↓		—	
		15	Hospital Bldg, 2x2 CT 4th level / Pissured in hotel				White		—	
		16	↓				↓		—	
		17	Hospital Bldg, Brown Baseboard Mastic 4-416				Yellow		—	
		18	↓				↓		—	
RELINQUISHED (PRINT) Sloan Krack	DATE 2/24/15	TIME 11:0	SIGNATURE 	RECEIVED (PRINT) Wag S. Cheng	DATE 2/24/15	TIME 11:00	SIGNATURE WJ			
RELINQUISHED (PRINT)	DATE	TIME	SIGNATURE	RECEIVED (PRINT)	DATE	TIME	SIGNATURE			



NEW YORK ENVIRONMENTAL  
88 Harbor Road  
Port Washington, NY 11050

11. 12. 13. 14.

30

analyzed by means of x-ray

## **APPENDIX B**

### **8.0 PERSONNEL LICENSES**

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE

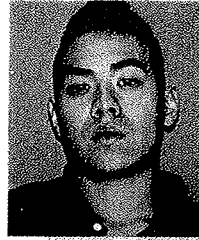


**KURT R BRUNO**  
CLASS(EXPIRES)  
D INSP(10/15) E MGPL(10/15)  
I PD (10/15)

CERT# 91-01492

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



**JAMES WANG**  
CLASS(EXPIRES)  
C ATEC(06/15) D INSP(06/15)  
H PM (06/15)

CERT# 08-17464

MUST BE CARRIED ON ASBESTOS PROJECTS

## **APPENDIX C**

### **9.0 LABORATORY ACCREDITATIONS**



**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

New York Environmental & Analytical Laboratories, Inc.

88 Harbor Rd

Port Washington, NY 11050

FILE NUMBER: 99-0392

LICENSE NUMBER: 28656

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 03/27/2014

EXPIRATION DATE: 04/30/2015

Duly Authorized Representative – Li Tsang:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Acting Director  
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2015  
Issued April 01, 2014

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. LI TSANG**  
**NY ENVIRONMENTAL AND ANALYTICAL LABS INC**  
**88 HARBOR ROAD**  
**PORT WASHINGTON, NY 11050**

**NY Lab Id No: 11510**

*is hereby APPROVED as an Environmental Laboratory for the category*  
**ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE**  
*All approved subcategories and/or analytes are listed below:*

**Metals I**

Lead, Total EPA 7000B

**Miscellaneous**

Asbestos in Friable Material EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Lead in Dust Wipes EPA 7000B

Lead in Paint EPA 7000B

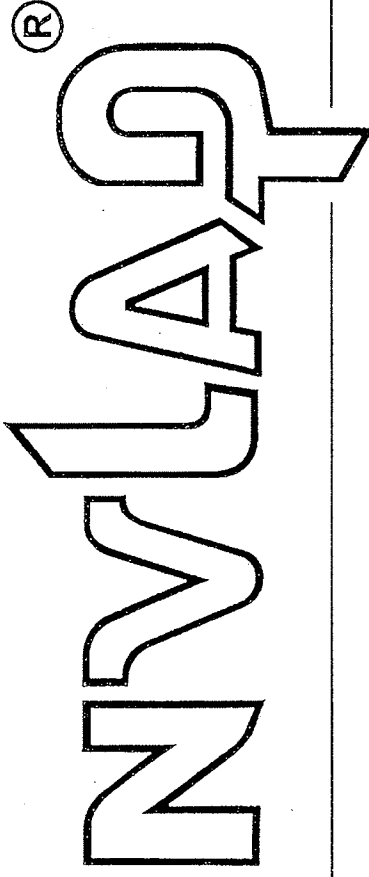
**Sample Preparation Methods**

EPA 3050B

**Serial No.: 50670**

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

United States Department of Commerce  
National Institute of Standards and Technology



## Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101967-0

**NY Environmental & Analytical Labs, Inc.**  
Port Washington, NY

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

### **BULK ASBESTOS FIBER ANALYSIS**

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

2014-07-01 through 2015-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William D. M. L. D.", is written over a horizontal line.

For the National Institute of Standards and Technology



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**NY Environmental & Analytical Labs, Inc.**

88 Harbor Road

Port Washington, NY 11050

Mr. Li Tsang

Phone: 516-944-9500 Fax: 516-944-9507

E-Mail: [tsang@nyenvironmental.com](mailto:tsang@nyenvironmental.com)

URL: <http://www.nyenvironmental.com/>

**BULK ASBESTOS FIBER ANALYSIS (PLM)**

**NVLAP LAB CODE 101967-0**

***NVLAP Code      Designation / Description***

18/A01      EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2014-07-01 through 2015-06-30

*Effective dates*

*For the National Institute of Standards and Technology*

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2015  
Issued April 01, 2014

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MS. MILENA BONEZZI  
CARDNO ATC  
104 EAST 25TH STREET 10TH FLOOR  
NEW YORK, NY 10010

NY Lab Id No: 10879

is hereby APPROVED as an Environmental Laboratory for the category  
**ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE**  
*All approved subcategories and/or analytes are listed below:*

**Metals I**

Lead, Total EPA 7000B

**Miscellaneous**

Asbestos in Friable Material Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM Item 198.4 of Manual

Lead in Dust Wipes EPA 7000B

Lead in Paint EPA 7000B

**Sample Preparation Methods**

EPA 3050B

Serial No.: 50407

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



National Voluntary  
Laboratory Accreditation Program



## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Cardno ATC  
104 E. 25th Street 10th Floor  
New York, NY 10010  
Ms. Milena Bonezzi  
Phone: 212-353-8280 x247 Fax: 212-353-8306  
E-Mail: milena.bonezzi@cardno.com

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101187-0

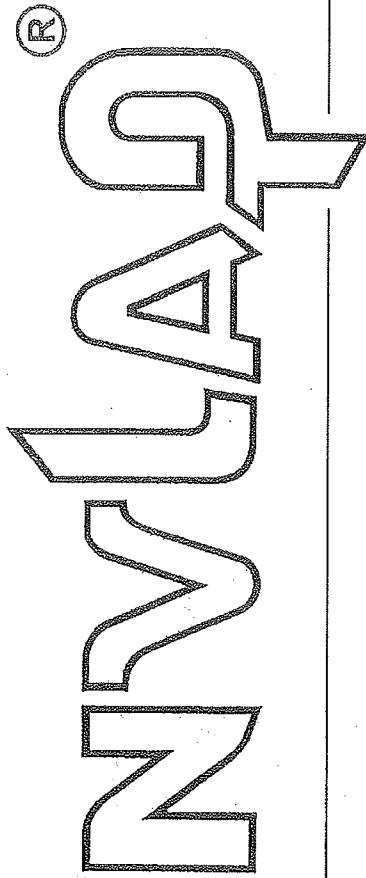
<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2014-07-01 through 2015-06-30

*Effective dates*

*For the National Institute of Standards and Technology*

United States Department of Commerce  
National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101187-0

**Cardno ATC**  
New York, NY

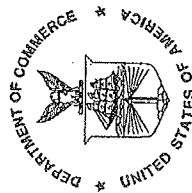
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

## BULK ASBESTOS FIBER ANALYSIS

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

2014-07-01 through 2015-06-30

Effective dates



For the National Institute of Standards and Technology

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2015  
Issued April 01, 2014  
Revised November 13, 2014

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MS. MILENA BONEZZI  
CARDNO ATC  
104 EAST 25TH STREET 10TH FLOOR  
NEW YORK, NY 10010

NY Lab Id No: 10879

is hereby APPROVED as an Environmental Laboratory for the category  
**ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE**  
All approved subcategories and/or analytes are listed below:

**Metals I**

Lead, total EPA 7000B

**Miscellaneous**

Asbestos in Friable Material Item 198.1 of Manual  
EPA 600/M4/82/020  
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)  
Asbestos in Non-Friable Material-TEM Item 198.4 of Manual  
Asbestos-Vermiculite-Containing Material Item 198.8 of Manual  
Lead in Dust Wipes EPA 7000B  
Lead in Paint EPA 7000B

**Sample Preparation Methods**

EPA 3050B

**Serial No.: 51686**

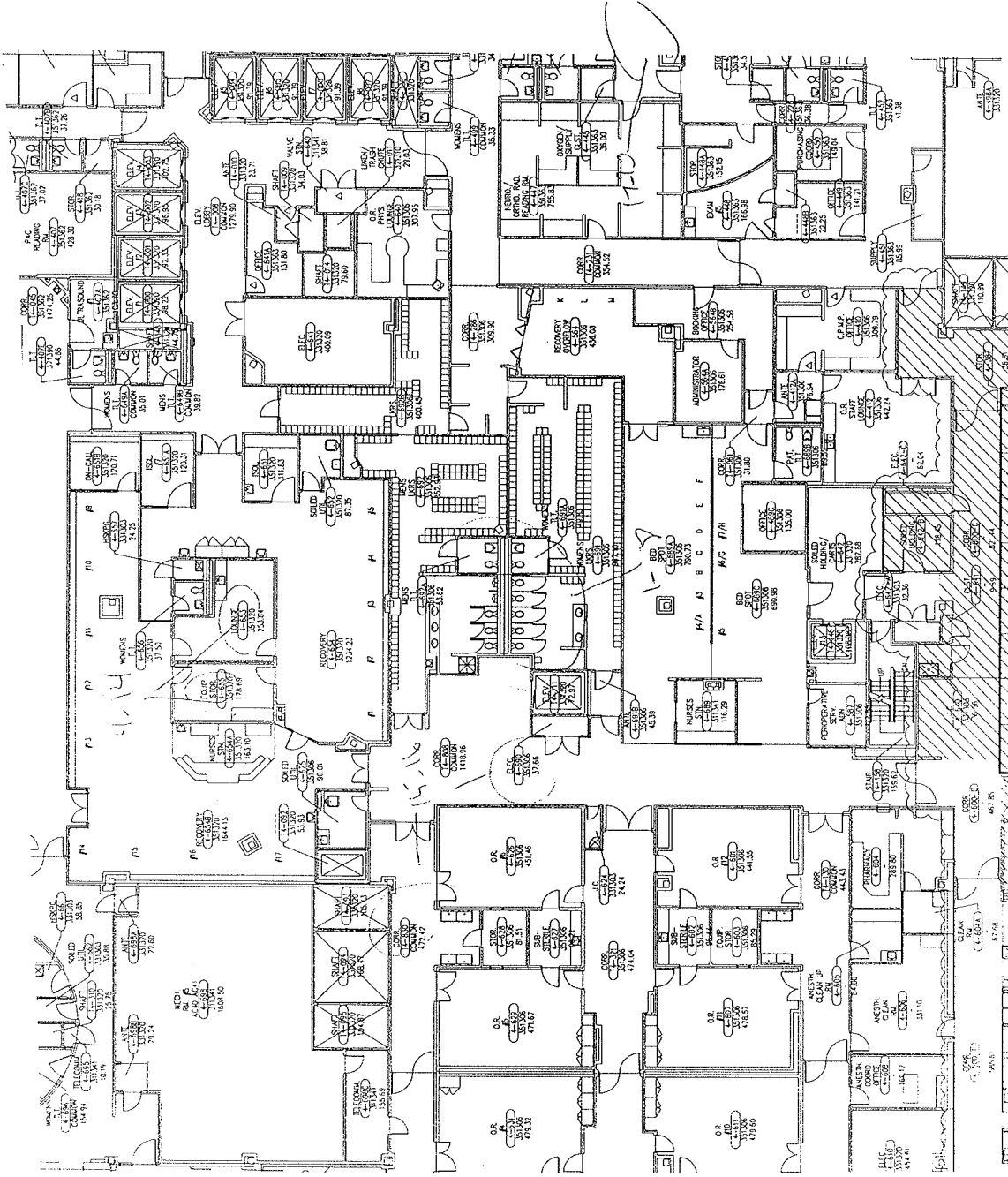
Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



## **APPENDIX D**

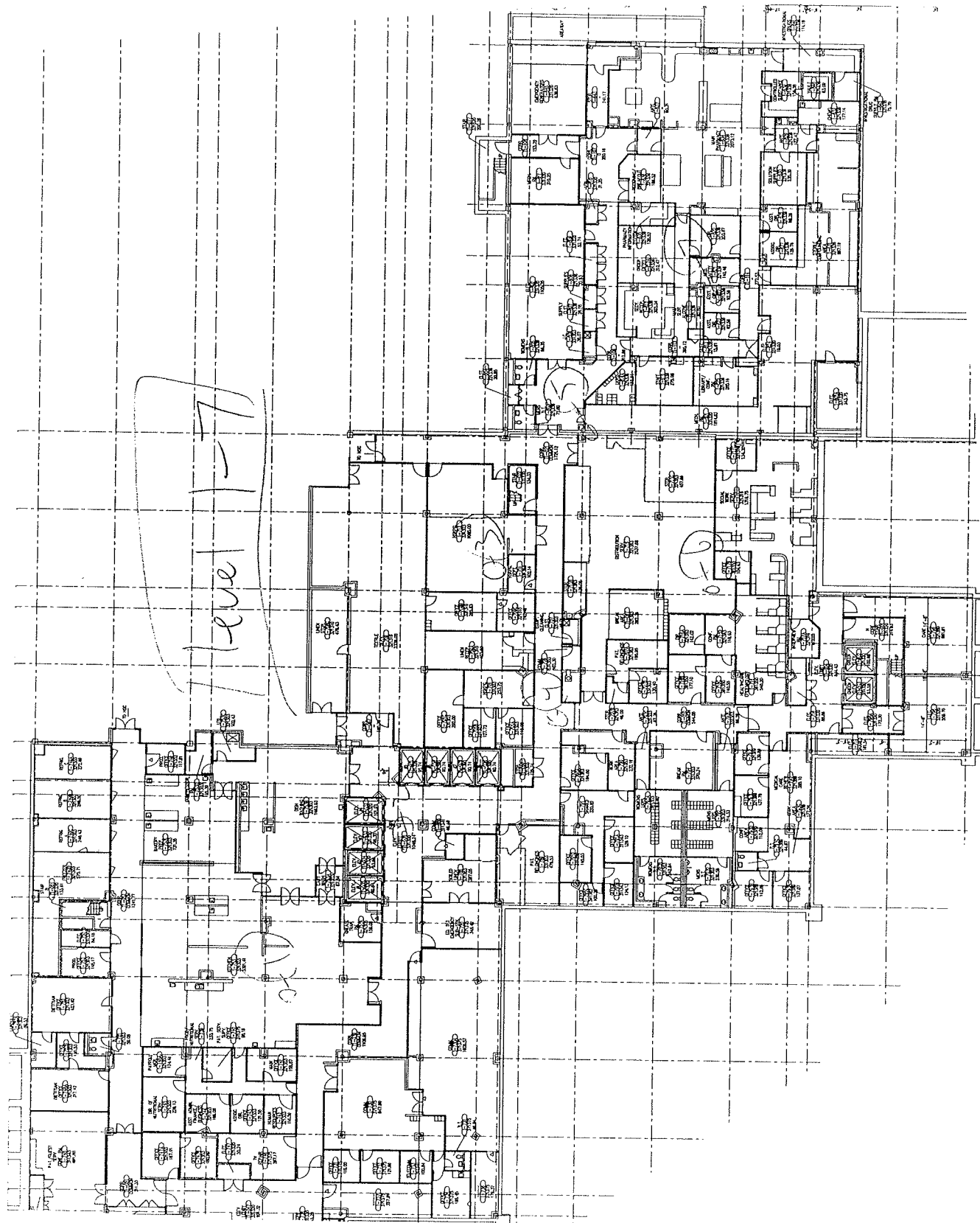
### **10.0 SAMPLE LOCATION DRAWINGS**

LEVEL 4



LOCATION: STONY BROOK HOSPITAL  
JOB#: 42339 -Phase 2 Renovations

NEW YORK ENVIRONMENTAL  
SAMPLE LOCATION PLANS  
SAMPLE DATES: 2/12/15



LOCATION: STONY BROOK HOSPITAL  
JOB#: 42339 -Phase 2 Renovations

NEW YORK ENVIRONMENTAL  
SAMPLE LOCATION PLANS  
SAMPLE DATES: 2/12/15