



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 1 TO PROJECT NO. 44167

**CONSTRUCTION WORK, ELCTRIC WORK
REPLACE WATER STORAGE TANKS
FISHKILL CORRECTIONAL FACILITY
BEACON, NY**

February 7, 2013

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

Specifications

1. Add the attached Specification Document 002216 Supplementary Instructions to Bidders – Asbestos Projects;
2. Add Document 003126 Existing Hazardous Material Information to the Project Specifications in their entirety.
3. Add the attached Section 028213 Asbestos Abatement to the Project Specifications, in its entirety.
4. Add the attached Asbestos Assessment Report (Letter from Shumaker Consulting Engineering & Land Surveying, P.C. to Mr. Joe Cleary, dated February 4, 2013) in its entirety as an Appendix to the Project Specifications.

END OF ADDENDUM

DOCUMENT 002216

SUPPLEMENTARY INSTRUCTIONS TO BIDDERS - ASBESTOS PROJECTS

This supplement modifies the Instructions to Bidders.
Add the following:

21. CONDITION OF AWARD

21.1 As a condition of award, the following shall be transmitted to the Bureau of Contract Awards, Division of Contract Administration, Design and Construction Group, Office of General Service, 35th Floor, Corning Tower, Empire State Plaza, Albany, NY 12242 by certified mail by the apparent low bidder within 5 days after the bids are opened and by other bidders within 5 days after receiving a written request from the Bureau of Contract Awards for such a submission:

- a. A copy of a valid asbestos-handling license issued by the Commissioner of Labor to the contractor who will perform the Work of the asbestos project.

END OF DOCUMENT

DOCUMENT 003126

EXISTING HAZARDOUS MATERIAL INFORMATION

1.01 ASBESTOS SURVEY REPORT

Samples listed in the report were collected at the Project Site and tested for Asbestos Containing Materials (ACM). The report was compiled for New York State Office of General Services, Design and Construction Group by an ELAP certified laboratory. In order to determine the Asbestos content, samples were analyzed by polarized light microscopy (PLM) and/or transmission electron microscopy (TEM). The report is intended for the State design and estimate purposes only, and is included to provide bidders with that same information available to the State. The Bulk Samples are representative of Homogeneous Area (HA) and is defined as a suspect material of similar age, appearance, function and texture. All field information was organized in accordance with 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). See the Asbestos Assessment report dated February 4, 2013 included in the Appendix for type, condition, location and approximate quantity of ACM.

END OF DOCUMENT

SECTION 028213

ASBESTOS ABATEMENT

PART 1 GENERAL

1.01 SUMMARY

- A. The work described in this Section shall be completed prior to commencing any other work on this project.
- B. This Section specifies the procedures for disturbance and removal of existing asbestos-containing materials (ACM) and disposal of removed materials. The results of the testing for ACM are listed in the Building Asbestos Survey Report bound in the Appendix. Also see Document 003126.
 - 1. The Building Asbestos Survey report was compiled by an ELAP certified laboratory.
 - 2. In order to determine asbestos content, samples were analyzed by polarized light microscopy (PLM) and/or transmission electron microscopy (TEM).
 - 3. The report is intended for State Design and estimate purposes only, and is included to provide bidders with the same information available to the State.
 - 4. The Bulk Samples are representative of like materials in the Work area. All ACM may not have been sampled.
- C. Type of Asbestos Abatement Project:
 - 1. Minor Uncontrolled Disturbance: An asbestos project involving the clean-up of no more than 10 square feet of disturbed ACM.
 - 2. Small Asbestos Abatement Project: An asbestos project involving the removal, disturbance, repair or handling of more than 10 square feet or 25 linear feet but less than 160 square feet or 260 linear feet of ACM.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Existing Hazardous Material Information: Document 003126.
- B. Summary of the Work: Section 011000.
- C. Construction Facilities and Temporary Controls: Section 015000.
- D. Removals, Cutting, and Patching: Section 017329.

1.03 REFERENCES

- A. New York State Department of Environmental Conservation (DEC) 6NYCRR:
 - 1. Part 360 Solid Waste Management Facilities.
 - 2. Part 364 Waste Transporter Permits.
 - 3. Part 370 Hazardous Waste Management System-General.
 - 4. Part 371 Identification and Listing of Hazardous Wastes.

5. Part 372 Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities.
 6. Part 373 Hazardous Waste Management Facilities.
- B. Occupational Safety and Health Administration (OSHA): Asbestos Regulations (29 CFR Part 1926.1101).
 - C. U.S. Environmental Protection Agency (USEPA):
 1. National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision; Final Rule.
 2. Asbestos Emergency Response Act (AHERA) (40 CFR Part 763, Subpart E).
 - D. New York State Department of Labor (DOL): Industrial Code Rule 56.

1.04 DEFINITIONS

- A. Authorized Personnel: Facility or the Director's Representative, and all other personnel who are authorized officials of any regulating agency, be it State, Local, Federal or Private entity who possess legal authority for enforcement or inspection of the work.
- B. Clearance Criteria: Shall be determined and established by a Certified Asbestos Project Monitor with an independent testing lab employed by the Director's Representative, conforming to all standards set forth by all authorities having jurisdiction, mentioned in the references, and issue the certification of cleaning.
- C. Site Specific Variance: Relief in accordance with section 30 of the Labor Law from specific sections of Industrial Code Rule 56 for a specific project.
- D. Phase I & II: Asbestos Project phases as defined and subcategorized in ICR 56-2.

1.05 ABBREVIATIONS

- A. ASTM: American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103
- B. CFR: Code of Federal Regulations
Government Printing Office
Washington, DC 20402
- C. DOL: New York State Department of Labor
Harriman State Office Building Campus
Albany, NY 12240
- D. NIOSH: National Institute for Occupational Safety and Health
Building J.N.E. Room 3007
Atlanta, GA 30333

- E. OSHA: Occupational Safety and Health Administration
200 Constitution Avenue
Washington, DC 20210
- F. USEPA: United States Environmental Protection Agency
401 M Street SW
Washington, DC 20460

1.06 ASBESTOS SITE SPECIFIC VARIANCE

- A. If a site specific variance is sought, the application must be submitted by the contractor's NYS DOL Certified Asbestos Project Designer with 14 days after the Contract Agreement is approved by the Comptroller. Forward the required forms to the Department of Labor for their action.

1.07 SUBMITTALS

- A. Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following:
 - 1. One copy of the completed DOSH-751 and DOSH-465 forms.
 - 2. One copy of the New York State Department of Labor site specific variance decision.
- B. Quality Control Submittals:
 - 1. Notification Compliance Data: Within 2 days after notification is sent to the regulatory agencies submit one copy of each notice sent to each regulatory agency (USEPA and DOL).
 - 2. Asbestos Removal Company Data: Name and address of proposed asbestos removal company and abatement contractor license issued by DOL.
 - 3. Asbestos Worker Certification Data: Name and address of proposed asbestos abatement workers and licenses issued by DOL.
 - 4. Work Plan: For information only, submit one copy of the work plan required under Quality Assurance Article.
 - 5. Waste Transporter Permit: One copy of transporter's current waste transporter permit from NYS DEC (NYS Part 364 Permit).
 - 6. Landfill: Landfill to be used for ACM disposal shall be licensed to receive asbestos waste by NYS DEC (NYS Part 360 Permit) and by USEPA. Out of state landfills shall provide licenses from local agencies having jurisdiction.
 - 7. Negative Air Pressure Equipment: Copy of manufacturer's and performance data of all units and HEPA filters used.
- C. Asbestos Work Closeout Submittals:
 - 1. Waste Shipment Records and Disposal Site Receipts: Copy of waste shipment record and disposal site receipt showing that the ACM has been properly disposed.
 - a. Waste shipment record and disposal site receipt must be received within 35 days of the ACM waste leaving the Site. If receipts are not received within the specified time period, the Director's

Representative will notify USEPA in writing within 45 days of the ACM waste leaving the Site.

- D. Contract Closeout Submittals:
 - 1. Daily Log: Submit copy of Project Monitor's daily air sample log and a copy of Asbestos Abatement Contractor's Daily project log.
 - 2. Air Monitoring Data: Submit copy of air test results and chain of custody.

1.08 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with the referenced standards.
- B. Pre-Work Conference: Before the Work of this Section is scheduled to commence, a conference will be held by the Director's Representative at the Site for the purpose of reviewing the Contract Documents, discussing requirements for the Work, and reviewing the Work procedures.
 - 1. The conference shall be attended by the Contractor, the asbestos removal subcontractor, and the testing laboratory employed by the Director.
- C. Work Plan: At the conclusion of the pre-work conference, before the physical abatement Work begins, prepare a detailed work plan.
 - 1. The work plan shall include, but not be limited to, work procedures, types of equipment, details of equipment used, decontamination unit locations, crew size, and emergency procedures for fire and medical emergencies and for failure of containment barriers.
 - 2. If a site specific variance is sought, do not finalize the work plan until the Department of Labor decision is received.

1.09 PROJECT CONDITIONS

- A. In addition to the postings required by law, post at the entrance to the abatement area the following documents:
 - 1. Copy of the printed Work plan.
 - 2. Copy of Industrial Code Rule 56.
- B. Shut-down of Air Handling System: Complete the Work of this Section within the time limitation allowed for shut-down of the air handling system serving the work area.
 - 1. The air handling system will not be restarted until approval of the air monitoring tests following the last cleaning.
 - 2. If total shut down of the system is not acceptable, follow all regulations for local isolation and provision for temporary HVAC as per DOL regulations.
- C. Maintain electric services to those portions of the building and remaining facility not a part of the asbestos abatement work area at all times. Follow all regulations for electric power shut down exemptions as per DOL regulations.
- D. Do not obstruct any aisle or passageway so as to reduce its required width as an exit.

1.10 HEALTH AND SAFETY

- A. Where in the performance of the work, workers, supervisory personnel or sub-contractors may encounter, disturb, or otherwise function in the immediate vicinity of contaminated items and materials, all personnel shall take appropriate continuous measures as necessary to protect all ancillary building occupants from the potential ACM exposure.
 - 1. Such measures shall include the procedures and methods described herein and shall be in compliance with all applicable regulations of Federal, State and Local agencies.

1.11 FIRE PROTECTION, EMERGENCY EGRESS AND SECURITY

- A. Establish emergency and fire exits from the work area containment. Provide first aid kits and two full sets of protective clothing and respirators for use by qualified emergency personnel outside of the work area.
- B. Provide a logbook throughout the entire term of the project. All persons who enter the regulated abatement work area or enclosure shall sign the logbook. Document any intrusion or incident in the log book.

1.12 PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT

- A. Workers must wear personal protective equipment for all projects as per OSHA and DOL regulations. Provide respiratory protection in accordance with OSHA regulation 1910.134 and ANSI Z88.2.
- B. Workers must be trained as per OSHA and DOL requirements, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
 - 1. A personal air sampling program shall be in place as required by OSHA.
 - 2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

PART 2 PRODUCTS

2.01 DISPOSAL BAGS

- A. Type: Minimum 6 mil thick, black, and preprinted with a Caution Label.

2.02 EQUIPMENT

- A. Temporary lighting, heating, hot water heating units, ground fault interrupters, and all other equipment on site shall be UL listed.
- B. All electrical equipment shall be in compliance with the National Electric Code, Article 305 - Temporary Wiring.

2.03 GLOVE BAGS

- A. Type: Minimum 6 mil thick, clear, fire retardant polyethylene. Select glove bag sizes appropriate for the size and location of the project.

2.04 NEGATIVE AIR PRESSURE UNITS

- A. Type: Local exhaust system, capable of maintaining negative air pressure within the containment, and provides for HEPA filtration of efficiency not less than 99.97 percent with 0.3 micron particles. Equip the unit with filter alarms lights and operation time meter.

2.05 PLASTIC SHEETS

- A. Type: Minimum 6 mil thick, clear, fire retardant polyethylene.

2.06 RESPIRATORS

- A. Type: As approved by the Mine Safety and Health Administration (MSHA), Department of Labor, or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

2.07 VACUUM CLEANERS

- A. Type: Vacuums equipped with HEPA filters.

PART 3 EXECUTION

3.01 ASBESTOS-CONTAINING MATERIAL HANDLING AND REMOVAL PROCEDURES

- A. Comply with the standards referenced in Part 1 of this Section.

3.02 CLEAN UP PROCEDURES

- A. Comply with the standards referenced in Part 1 of this Section.

3.03 PROJECT AIR SAMPLING, MONITORING AND ANALYSIS

- A. Air Sampling and Analysis: The Director will employ the services of an independent testing laboratory to perform air sample monitoring. The laboratory shall use the methods described in standards referenced in Part 1 of this Section.
 1. The equipment, duration, flow rate, calibration of equipment, number and location of samples are as per ICR 56-4.
 2. Air sampling technician shall be on site to observe and maintain air sampling equipment for the duration of the air sampling collection.
 3. Period of time permitted between completion of air sample collection and receipt of results on the project site shall be equal or less than 48 hours.

- B. If air samples collected outside the regulated work area indicate airborne fiber concentrations at or above 0.01 fibers per cubic centimeter, or the established background level, which ever is greater, work shall stop immediately for inspection of barriers and negative air ventilation systems. Clean up surfaces outside the regulated work area using HEPA filter equipped vacuums and wet cleaning methods. Work methods shall be altered to reduce fiber concentrations to acceptable levels.
- C. Elevated air sample results, if any, along with background and all other air sample results collected during Phase IIA through Phase IIC shall be submitted to the Commissioner of appropriate Asbestos Control Bureau within the same business day of receipt of results.

3.04 FINAL CLEANING AND CLEARANCE PROCEDURES

- A. Negative Pressure Ventilation: Negative air pressure machines if used, shall remain in continuous operation during the entire length of the project.
- B. Cleaning and Visual Inspection: After first, second, third cleaning and required waiting/settling and drying periods, perform a final visual inspection.
 - 1. Final clearance air sampling shall commence after the waiting/settling and drying time as per ICR 56 has elapsed.
- C. Project Monitor Visual Inspection: The Director will employ the services of a DOL certified asbestos project monitor employed by an independent testing laboratory to perform visual inspection as required by ICR 56.
- D. Final Clearance Air Sampling: The Director will employ the services of an independent testing laboratory to perform final air sampling.
 - 1. The laboratory shall use the methods described in standards referenced in Part 1 of this Section.
 - 2. The equipment, duration, flow rate, calibration of equipment, number and location of samples are as per ICR 56-4.
 - 3. If initial Post-Abatement (Clearance Air) Monitoring results do not comply with the standards referenced in Part 1 of this Section the Contractor shall either re-clean or order a full set of TEM analysis.
 - a. Results of the TEM analysis will be conclusive, and if the results do not comply with the standards referenced in Part 1 of this Section, the Contractor shall re-clean and additional full set of air samples will be collected and analyzed until the standards are met.
 - b. All satisfactory PCM clearance air sample results along with background air sample results, if they are greater than or equal to 0.01 fibers per cubic centimeter, shall be submitted to the Commissioner of appropriate Asbestos Control Bureau within two business days of receipt of satisfactory clearance air results.
 - c. All satisfactory TEM results of previously unsatisfactory PCM clearance air sample results, along with the unsatisfactory PCM results shall be submitted to the Commissioner of appropriate Asbestos Control Bureau within two business days of receipt of satisfactory clearance air results.

4. Prior to removal of isolation barriers the Director's Representative at the site will receive an affidavit from the air monitoring laboratory certifying the final air samples comply with the standards referenced in Part 1 of this Section.
- E. Dismantling of Regulated Abatement Work Area:
1. Remove all tools and equipment after proper decontamination as per Part 1 of this section.
 2. Dismantle and remove each tent enclosure and air lock and any barriers only after final clearance air monitoring has been performed and satisfactory results obtained.
 3. All remaining polyethylene, duct tape, expandable foam and other barrier materials shall be bagged, wrapped, containerized and labeled as asbestos waste.
 4. Remove all temporary hard walled barriers from site.
 5. Dismantle any remote decontamination units and plastic sheeting shall be disposed as asbestos waste.
 6. Remove all waste generated to the holding area, lockable trailer or dumpster.
 7. Contractor's Supervisor shall certify in writing to the Director that abatement work is complete and no debris/residue remains.

3.05 DISPOSAL OF ASBESTOS-CONTAINING MATERIAL AND RELATED DEBRIS

- A. Remove all waste generated as part of the asbestos project from the project site within ten calendar days from the site after completion of Phase IIC of the project or within one day of the waste disposal container/trailer becomes full, whichever occurs first.
- B. Transport and dispose of all the asbestos-containing waste, related debris, and waste water to the approved disposal site.
- C. All generated waste removed from the site must be documented, accounted for and disposed of in compliance with the requirements of USEPA NESHAP.
- D. Comply also with the standards referenced in Part 1 of this Section.

3.06 RESTORATION

- A. Remove temporary decontamination facilities and restore area designated for these facilities to its original condition or better.
- B. Where existing work is damaged or contaminated, restore work to its original condition or better.

END OF SECTION



February 4, 2013

Mr. Joe Cleary, P.E.
HDR/HydroQual
1200 MacArthur Boulevard
Mahwah, NJ 07430

**Re: Asbestos Assessment
Replace Water Storage Tanks
Fishkill Correctional Facility
Beacon, New York
SCE No. R11316.00 OGS Project No. 44167**

Dear Mr. Cleary:

Shumaker Consulting Engineering & Land Surveying, P.C. (SCE) performed a site visit on January 24, 2013 for the above-referenced New York State Office of General Services (NYSOGS) project at the Fishkill Correctional Facility, Beacon, New York. The purpose of the visit was to assess building and mechanical insulation materials that may be impacted by the proposed rehabilitation of the Pump Room (in former Boiler House) and Stand Pipe Tanks for the presence of asbestos-containing materials (ACM). No previous asbestos assessment reports were provided to SCE for review.

The scope of the assessment included sampling and testing of the following items:

Pump Room:

- Pipe Insulation (Domestic Water-Original-blue/green-fiberglass-silver paper mesh/canvas).
- Associated Mudded Joint Packing (Domestic Water-Original-blue/green-elbow).
- Pipe Insulation (Domestic Water-green-fiberglass-same on elbows).
- Mud on Exposed Fiberglass Ends (Domestic Water-New-white).
- Masonry Coating (applied to Masonry Walls).
- Pipe Insulation (Steam-yellow/black-magnesium block).
- Associated Mudded Joint Packing (Steam-yellow/black-elbows).

Stand Pipe Tank No. 1:

- Bituminous Coating on Pipe Elbows (Exterior).

The location of the collected samples are described in the Chain of Custody (COC) information in the reports of analyses here within.

ALBANY, NY
1510 Central Avenue, Suite 330
Albany, NY 12205
518-452-5730 • Fax 452-9230

BINGHAMTON, NY
143 Court Street
Binghamton, NY 13901
607-798-8081 • Fax 798-8186

UTICA, NY
430 Court Street
Utica, NY 13502
315-724-0100 • Fax 724-3715

MONTROSE, PA
78 Public Avenue
Montrose, PA 18801
570-432-0024 • Fax 432-0024

ASBESTOS

A suspect material is considered to be an ACM under United States Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 unless it is demonstrated, by approved techniques, that bulk samples from a homogeneous sampling area contain less than or equal to one percent ($\leq 1\%$) asbestos by weight.

A complete rehabilitation of the former boiler house pump room is proposed including removal of the two (2) water service pumps, two (2) steam driven pumps and associated piping; demolition of the Glenham water meter pit, altitude valve pit and the three (3) standpipe tanks; and limited installations of electronic components in the utility tunnels. Following visual assessment and classification of impacted building and mechanical insulation materials, 17 samples of eight (8) suspect materials were collected by SCE's certified Asbestos Building Inspectors on January 24, 2013 within the Pump Room and exterior stand pipe tanks. No suspect material was observed within the water meter pit and altitude valve pit. It was assumed that no damaged thermal system insulation (TSI) was in the vicinity of the proposed electrical work to be performed in the utility tunnels and would not impact the work. The laboratory reports received from Fibers I.D., Inc. and Eastern Analytical Services, Inc. for the samples are included in Attachment B. Identified suspect materials are summarized in the table below:

MATERIAL DESCRIPTION	AREA/LOCATION	SAMPLE IDS	ASBESTOS % BY WEIGHT	ESTIMATED QUANTITY
Pipe Insulation (Domestic Water – Original -blue/green – fiberglass - silver paper mesh/canvas)	Former Boiler House – Pump Room	01-01, 01-02	NAD	-
Associated Mudded Joint Packing (Domestic Water – Original - blue/green-elbow)	Former Boiler House – Pump Room	02-03, 02-04	21.61%	4 Ea. -6”OD
Pipe Insulation (Domestic Water – green – fiberglass - same on elbows)	Former Boiler House – Pump Room	03-05, 03-06	NAD	-
Mud on Exposed Fiberglass Ends (Domestic Water – New - white)	Former Boiler House – Pump Room	04-07, 04-08	NAD	-
Pipe Insulation (Steam - yellow/black/red/brown - magnesium block)	Former Boiler House – Pump Room	05-09, 05-10	15.68%	100 LF - 12”OD 30 LF - 8”OD 30 LF - 6”OD 45 LF - 4”OD 10 SF Debris
Associated Mudded Joint Packing (Steam - yellow/black/red/brown - elbows)	Former Boiler House – Pump Room	06-11, 06-12	29.62%	14 Ea. - 12”OD 1 Ea. - 8”OD 1 Ea. - 6”OD
Masonry Coating (applied to masonry walls)	Former Boiler House – Pump Room	07-13, 07-14, 07-15	NAD	-
Bituminous Coating on Pipe Elbows (Exterior)	Stand Pipe Tank #1	08-16, 08-17	NAD	-

NAD – No Asbestos Detected

Mr. Joe Cleary, P.E.

February 4, 2013

Page 3

SCE performed bulk sampling of the materials referenced, as requested. Pipe fitting insulation on the original domestic waterlines (blue/green) and pipe and fitting insulation on the steam lines (yellow/black/red/brown) were determined to be ACM. Due to the poor condition of the ACM pipe insulation within the Pump Room, the entirety of the pipe insulation should be removed as ACM. Should any suspect material beyond those documented herein be discovered in the building during the proposed rehabilitation, the material should be assumed to be ACM. Any activities disturbing ACM, including assumed ACM, would be considered an asbestos project and would require the use of certified asbestos abatement personnel.

Please Note: The presence of 10 square feet of ACM TSI debris in the Pump Room is considered an uncontrolled disturbance of ACM under New York State Department of Labor Code Rule 56 (12 NYCRR 56). The NYSDOL excerpt below explains what NYSDOL requires in response to an uncontrolled disturbance:

56-1.5 Responsibility for Cleanup of Uncontrolled Disturbance. If there is an incidental disturbance or other disturbance (not as part of a controlled asbestos project) of ACM, PACM, asbestos material, or suspect miscellaneous ACM assumed to be ACM at a building or structure, upon discovery of the disturbance, the property owner shall be responsible for contracting with a licensed asbestos contractor for immediate isolation of the disturbance and cleanup in accordance with all provisions of this Part.

Please do not hesitate to contact me at (518) 452-5730 should you have any questions or need any additional information.

Very truly yours,

**SHUMAKER CONSULTING ENGINEERING
& LAND SURVEYING, P.C.**



Samuel D. Syrotynski
Environmental Scientist IV

SDS/krf

Attachments

ATTACHMENT A

ASBESTOS LABORATORY REPORT

Chain of Custody for Suspect ACBM

SHUMAKER Consulting Engineering & Land Surveying, P.C.

1510 Central Avenue Albany NY 12205
(518) 452-5730 Fax (518) 452-9230

Client I.D. #: 1316.00 / OGS 44167

Project: Fishkill CF - Replace Water Tanks

Work Area: _____

Date Collected: 1-24-13 Technician: Amarsden / Syrotynski

Report to: ssyrotynski@shumakerengineering.com

FIBERS I.D., INC.
1670 Western Ave., Bldg. "B",
Albany, New York 12203
518-456-4501 Fax 518-456-4545

amarsden@shumakerengineering.com

Field ID #	Original Location	Type	Material Description	Lab ID #
01-01	Boiler House Pump Room	PLM	Pipe Insulation (DW-Original-Green) Fiberglass - Silver Paper - Mesh - Canvas	U3971
01-02	East End Middle		↓	972
02-03	East End Middle MSP		Mudded South Parking (DW-Original Blue-Green)	973
02-04	↓ @ T		↓	974
03-05	East End Middle		Pipe Insulation (DW-Green)	975
03-06	East End South End		↓	976
04-07	South Middle Valve End	WPS	Mud on Fiberglass (DW-New)	977
04-08	Southwest Valve End	WPS	↓	978

Turnaround Time/Requested Date: STAT

Relinquished By: (signature) <u>[Signature]</u>	Received By: (signature) <u>[Signature]</u>	Date/Time <u>1/25/13 12:35</u>
Relinquished By: (signature)	Received By: (signature)	Date/Time <u>—</u>

Notes: _____

- Stop first positive per homogenous group (PLM)
- 3 of 3 samples GR/PLM
- 3 of 3 samples to TEM to confirm inconclusive
- Stop first positive per homogenous group (TEM)
-
-

1878

PLM-NOB ANALYTICAL REPORT

Page 1 of 1

CLIENT: Shumaker Engineering & Land Surveying, P.C.
ADDRESS: 1510 Central Avenue
 Albany NY 12205

DATE COLLECTED: 01/24/13
DATE RECEIVED: 01/25/13
DATE ANALYZED: 01/29/13
DATE REPOED: 02/01/13

CLIENT PROJECT: Fishkill CF-Replace Water Tanks

SCE #: 11316.00\OGS 44167

ANALYTICAL METHOD NYS DOH 03/01/97 (Item 198.6)

NOTEBOOK: M. HAY NYS DOH ELAP #11129

LAB #	CLIEN T #	DESCRIPTION	GRAVIMETRIC TEST RESULTS			PLM TEST RESULTS		
			ACID-SOL.	ORGANIC	INORGANIC	EST. ASB	CALC. ASB	TOTAL ASB
63977●	04-07	MUD ON FIBERGLASS	12.49%	00.67%	86.84%	INC	INC	INC
63978●	04-08	MUD ON FIBERGLASS	42.95%	01.24%	55.81%	INC	INC	INC

C=CHRYSOTILE A=AMOSITE CR=CROCIDOLITE AN=ANTHOPHYLITE TR=TREMOLITE AC=ACTINOLITE N/A=NOT ANALYZED
 NAD = NO ASBESTOS DETECTED PLM = POLARIZED LIGHT MICROSCOPY NOB = NON-FRIABLE ORGANICALLY BOUND MATERIALS
 INC - INCONCLUSIVE T=TRACE ● CLIENT REQUESTED TEM.

"POLARIZED LIGHT MICROSCOPY IS NOT CONSISTANTLY RELIABLE IN DETECTING ASBESTOS IN FLOOR COVERINGS AND SIMILAR NONFRIABLE LY 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." (ELAP 198.6 - 6.3. 2.1)

Analytical results reported on samples not collected by Fibers I.D. Inc.. Report data dependent on information supplied by client and chain of custody. Liability limited to the cost of analysis.

Any and all reports, chain of custodies and/or professional opinions generated by Fibers I.D., Inc. and transmitted via electronic median are to be considered preliminary in nature and are not intended or utilized as final reports. They are strictly for the convenience of the client.

Analyst:



M. Hay

Laboratory Director,



Michael H. Hay

FIBERS I.D. INC.

1670 Western Ave. Bldg. B, Albany, New York 12203
 Laboratory/Office Phone (518) 456-4501 • fibersid@verizon.net



Eastern Analytical Services, Inc.

Bulk Sample Results

RE: CPN 11316.00\OGS44167 - Fishkill CF - Replace Water Tanks

Date Collected :	Not Given	Client	Fibers I.D., Inc.
Collected By :	Not Given		1670 Western Avenue - Building "B"
Date Received :	01/30/2013		Albany, NY 12203
Date Analyzed :	01/30/2013		
Analyzed By :	Ghayath Elias		
Signature :			
Analytical Method :	NYS-DOH 198.4		
NVLAP Lab No.	101646-0		
NYS Lab No.	10851		

Sample ID Number	63977	63978
Layer Number		
Lab ID Number	2170549	2170550
Sample Location	Not Given	Not Given
Sample Description	Not Given	Not Given

Analytical Method	Tem	Tem
Appearance		
Layered	No	No
Homogenous	No	No
Fibrous	No	No
Color	Reduced by Client	Reduced by Client

Asbestos	% Amosite	0.0	0.0
Content	% Chrysotile	0.0	0.0
	% Other	0.0	0.0
	% Total Asbestos	0.0	0.0
Other	% Organic	0.0	0.0
Materials			
Present	% Carbonates	15.2	44.2
	% Other Inorganic	84.8	55.8

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
 Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.
 AIHA Accreditation No. 100263 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

SHUMAKER Consulting Engineering & Land Surveying, P.C.
 1510 Central Avenue Albany NY 12205
 (518) 452-5730 Fax (518) 452-9230

FIBERS I.D., INC.
 1670 Western Ave., Bldg. "B",
 Albany, New York 12203
 518-456-4501 Fax 518-456-4545

Chain of Custody for Suspect ACBM
 Client I.D. #: 11316.00 / OGS 44167
 Project: Fishkill CF - Replace Water Tanks
 Work Area: _____
 Date Collected: 1-24-13 Technician: Marsden / Syrotynski
 Report to: ssyrotynski@shumakerengineering.com
 amarsden@shumakerengineering.com

Field ID #	Original Location	Type	Material Description	Lab ID #
01-01	Boiler House Pump Room	PLM	Pipe Insulation (PW - Original - Blue) Fiberglass - Silver Paper - mesh - Green	03971
01-02	East End Middle		Mudded Joint Packing (PW - Original - Blue - Green)	972
02-03	East End Middle MSP		Pipe Insulation (PW - Green)	973
02-04	East End Middle			974
03-05	East End Middle		Pipe Insulation (PW - Green)	975
03-06	East End South End			976
04-07	South Middle Valve End	NGP	Mud on Fiberglass (PW - New - White)	977
04-08	Southwest Valve End	NGP		978

- Stop first positive per homogenous group (PLM)
- 3 of 3 samples GR/PLM
- 3 of 3 samples to TEM to confirm inconclusive
- Stop first positive per homogenous group (TEM)
-
-

Turnaround Time/Requested Date: STAT

Relinquished By: (signature) [Signature] Date/Time 1/25/13 12:35

Received By: (signature) [Signature]

Relinquished By: (signature) _____ Date/Time _____

Received By: (signature) _____ Date/Time _____

Notes: _____

1878

PLM ANALYTICAL REPORT

Page 1 of 1

CLIENT: Shumaker Consulting Eng. & Land Surveying, P.C. **DATE COLLECTED:** 01/24/13
ADDRESS: 1510 Central Avenue **DATE RECEIVED:** 01/25/13
Albany, NY 12205 **DATE ANALYZED:** 01/25/13
DATE REPORTED: 02/01/13

CLIENT PROJECT: Fishkill CF-Replace Water Tanks

WORK AREA: None Given

SCE #: 11316.00\OGS 44167

ANALYTICAL METHOD; NYS DOH 03/01/97 (Item 198.1)

NOTEBOOK: M. HAY NYS DOH ELAP #11129

LAB #	CLIENT #	COLOR	ASBESTOS TYPE %	NON-ASBESTOS FIBROUS COMP. %	NON-FIBROUS COMPONENTS %
63971	01-01	YELLOW	NAD	CELLULOSE <01.00% FIBERGLASS 100.00%	-----
63972	01-02	YELLOW	NAD	CELLULOSE <01.00% FIBERGLASS 100.00%	-----
63973	02-03	GRAY	CHRYBOTILE 21.61%	CELLULOSE <15.00% FIBERGLASS 20.00%	43.00%
63974	02-04	-----	N/A	1ST	POSITIVE
63975	03-05	YELLOW	NAD	CELLULOSE <01.00% FIBERGLASS 100.00%	-----
63976	03-06	YELLOW	NAD	CELLULOSE <01.00% FIBERGLASS 100.00%	-----

* ASBESTOS IN MARKED LAYER PLM = POLARIZED LIGHT MICROSCOPY NAD = NO ASBESTOS DETECTED

Analytical results reported on samples not collected by Fibers ID, Inc.. Report data dependent on information supplied by client and chain of custody. Liability limited to the cost of analysis.
Any and all reports, chain of custodies and/or professional opinions generated by Fibers ID, Inc. and transmitted via electronic median are to be considered preliminary in nature and are not intended or utilized as final reports. They are strictly for the convenience of the client.

Analyst:



M. Hay

Laboratory Director,



Michael H. Hay

FIBERS I.D. INC.

1670 Western Ave. Bldg. B, Albany, New York 12203
Laboratory/Office Phone (518) 456-4501 • fibersid@verizon.net

2012

Chain of Custody for Suspect ACBM

SHUMAKER Consulting Engineering & Land Surveying, P.C.
 1510 Central Avenue Albany NY 12205
 (518) 452-5730 Fax (518) 452-9230

Client I.D. #: 1131600005 44167
 Project: Fishkill CF - Replace Water Tanks

FIBERS I.D., INC.
 1670 Western Ave., Bldg. 'B',
 Albany, New York 12203
 518-456-4501 Fax 518-456-4545

Work Area: _____
 Date Collected: 1-24-13 Technician: Wardenski Syrotynski
 Report to: ssyrotynski@shumakerengineering.com

amarsden@shumakerengineering.com

Field ID #	Original Description	Location	Type	Material Description	Lab ID #
05-09	Original Description Pump Room	NE Pipe (12")	PLM	Pipe Evaluation - (Steam-yellow) & Black (mag)	9874
05-10		West End Middle Pipe (12")			980
06-11		Middle Valve		Muddy Spilt Back in on Steam	981
06-12					982
07-13		Small Rm (SE) outside North End		Mooney Cont'ing	983
07-14		West Column			984
07-15		South Wall West End			985
08-16	Exterior Tank #1	North Pipe outlet	NOB	Bituminous Coatings on Pipe Elbow	986
08-17					987

- Stop first positive per homogenous group (PLM)
- 3 of 3 samples GR/PLM
- 3 of 3 samples to TEM to confirm inconclusive
- Stop first positive per homogenous group (TEM)
-
-

Turnaround Time/Requested Date: STAT

Relinquished By: (signature)	Received By: (signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	<u>1/25/13 1935</u>
Relinquished By: (signature)	Received By: (signature)	Date/Time

Notes: _____

1874

PLM-NOB ANALYTICAL REPORT

Page 1 of 1

CLIENT: Shumaker Engineering & Land Surveying, P.C.
ADDRESS: 1510 Central Avenue
 Albany NY 12205

DATE COLLECTED: 01/24/13
DATE RECEIVED: 01/25/13
DATE ANALYZED: 01/28/13
DATE REPOED: 02/01/13

CLIENT PROJECT: Fishkill CF-Replace Water Tanks

SCE #: 11316.00\OGS 44167

ANALYTICAL METHOD NYS DOH 03/01/97 (Item 198.6)

NOTEBOOK: M. HAY NYS DOH ELAP #11129

LAB #	CLIEN T #	DESCRIPTION	GRAVIMETRIC TEST RESULTS			PLM TEST RESULTS		
			ACID-SOL.	ORGANIC	INORGANIC	EST. ASB	CALC. ASB	TOTAL ASB
63983●	07-13	MASONRY COATING	12.26%	28.60%	59.13%	INC	INC	INC
63984●	07-14	MASONRY COATING	10.22%	30.12%	59.66%	INC	INC	INC
63985●	07-15	MASONRY COATING	15.95%	03.93%	80.11%	INC	INC	INC
63986●	08-16	BITUMINOUS COATING PIPE EL	98.44%	00.09%	01.47%	INC	INC	INC
63987●	08-17	BITUMINOUS COATING PIPE EL	97.71%	00.07%	02.22%	INC	INC	INC

C=CHRYSOTILE A=AMOSITE CR=CROCIDOLITE AN=ANTHOPHYLITE TR=TREMOLITE AC=ACTINOLITE N/A=NOT ANALYZED
 NAD = NO ASBESTOS DETECTED PLM = POLARIZED LIGHT MICROSCOPY NOB = NON-FRIABLE ORGANICALLY BOUND MATERIALS
 INC - INCONCLUSIVE T=TRACE ● CLIENT REQUESTED TEM.

"POLARIZED LIGHT MICROSCOPY IS NOT CONSISTANTLY RELIABLE IN DETECTING ASBESTOS IN FLOOR COVERINGS AND SIMILAR NONFRIABLE LY 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." (ELAP 198.6 - 6.3. 2.1)

Analytical results reported on samples not collected by Fibers I.D. Inc.. Report data dependent on information supplied by client and chain of custody. Liability limited to the cost of analysis.

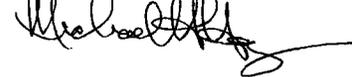
Any and all reports, chain of custodies and/or professional opinions generated by Fibers I.D., Inc. and transmitted via electronic median are to be considered preliminary in nature and are not intended or utilized as final reports. They are strictly for the convenience of the client.

Analyst:



M. Hay

Laboratory Director,



Michael H. Hay

FIBERS I.D. INC.

1670 Western Ave. Bldg. B, Albany, New York 12203
 Laboratory/Office Phone (518) 456-4501 • fibersid@verizon.net



Eastern Analytical Services, Inc.

Bulk Sample Results

RE: CPN 11316.00\OGS44167 - Fishkill CF - Replace Water Tanks

Client Fibers I.D., Inc.
1670 Western Avenue - Building "B"
Albany, NY 12203

Date Collected : Not Given
Collected By : Not Given
Date Received : 01/30/2013
Date Analyzed : 01/30/2013
Analyzed By : Ghayath Elias
Signature :
Analytical Method : NYS-DOH 198.4
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance (Layered, Homogenous, Fibrous, Color), Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos), Other Materials Present (% Organic, % Carbonates, % Other Inorganic).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.
AIHA Accreditation No. 100263 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095



Eastern Analytical Services, Inc.

Bulk Sample Results

RE: CPN 11316.00\OGS44167 - Fishkill CF - Replace Water Tanks

Date Collected : Not Given
 Collected By : Not Given
 Date Received : 01/30/2013
 Date Analyzed : 01/30/2013
 Analyzed By : Ghayath Elias
 Signature : 
 Analytical Method : NYS-DOH 198.4
 NVLAP Lab No. 101646-0
 NYS Lab No. 10851

Client Fibers I.D., Inc.
 1670 Western Avenue - Building "B"
 Albany, NY 12203

Sample ID Number 63987
 Layer Number
 Lab ID Number 2170555
 Sample Location Not Given

Sample Description Not Given

Analytical Method Tem
 Appearance Layered No
 Homogenous No
 Fibrous No
 Color Reduced by Client

Asbestos Content
 % Amosite 0.0
 % Chrysotile 0.0
 % Other 0.0
 % Total Asbestos 0.0

Other Materials Present
 % Organic 0.0
 % Carbonates 97.8
 % Other Inorganic 2.2

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
 Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.
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2062

Main of Custody for Suspect ACBM

SHUMAKER Consulting Engineering & Land Surveying, P.C.

1510 Central Avenue Albany NY 12205
(518) 452-5730 Fax (518) 452-9230

FIBERS I.D., INC.

1670 Western Ave., Bldg. "B",
Albany, New York 12203
518-456-4501 Fax 518-456-4545

Client I.D. #: 113160006s 44167

Project: Fishkill CF - Replace Water Tanks

Work Area:

Date Collected: 1-24-13 Technician: Wardenski Syrotynski

Report to: ssyrotynski@shumakerengineering.com

amarsden@shumakerengineering.com

Field ID #	Location	Type	Material Description	Lab ID #
05-09	Outgoing Pump Run	PLM	Pipe Insulation - (steam-jacket) & Glue	9874
05-10	West End Middle Pipe (12")			980
06-11	Middle Valve		Mudded Joint Packing on Steam	981
06-12				982
07-13	Small Rm (SE) outside North End		Mooney Counting	983
07-14	West Column			984
07-15	South Wall West End			985
08-16	Exterior Tank #1 Pipe outlet	NOB	Bituminous Counting on Pipe Elbow	986
08-17		I		987

Turnaround Time/Requested Date: STAT

Relinquished By: (signature)	Received By: (signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1/25/13 12:35
Relinquished By: (signature)	Received By: (signature)	Date/Time

Notes:

- Stop first positive per homogenous group (PLM)
- 3 of 3 samples GR/PLM
- 3 of 3 samples to TEM to confirm inconclusive
- Stop first positive per homogenous group (TEM)
-

1878

PLM ANALYTICAL REPORT

Page 1 of 1

CLIENT: Shumaker Consulting Eng. & Land Surveying, P.C. DATE COLLECTED: 01/24/13
 ADDRESS: 1510 Central Avenue DATE RECEIVED: 01/25/13
 Albany, NY 12205 DATE ANALYZED: 01/25/13
 DATE REPORTED: 02/01/13

CLIENT PROJECT: Fishkill CF-Replace Water Tanks

WORK AREA: None Given

SCE #: 11316.00\OGS 44167

ANALYTICAL METHOD; NYS DOH 03/01/97 (Item 198.1)

NOTEBOOK: M. HAY NYS DOH ELAP #11129

LAB #	CLIENT #	COLOR	ASBESTOS TYPE %	NON-ASBESTOS FIBROUS COMP. %	NON-FIBROUS COMPONENTS %
63979	05-09	WHITE	CHRYBOTILE 15.68%	CELLULOSE <10.00%	74.00%
63980	05-10	-----	N/A	1ST	POSITIVE
63981	06-11	TAN	CHRYBOTILE 29.62%	CELLULOSE <10.00%	60.00%
63982	06-12	-----	N/A	1ST	POSITIVE

* ASBESTOS IN MARKED LAYER PLM = POLARIZED LIGHT MICROSCOPY NAD = NO ASBESTOS DETECTED

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Analyst:



M. Hay

Laboratory Director,



Michael H. Hay

FIBERS I.D. INC.

1670 Western Ave. Bldg. B, Albany, New York 12203
 Laboratory/Office Phone (518) 456-4501 • fibersid@verizon.net

ATTACHMENT B
CERTIFICATIONS

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

Shumaker Consulting, Engineering and Land Surveying, P.C.

143 Court Street

Binghamton, NY 13901

FILE NUMBER: 00-0828

LICENSE NUMBER: 29368

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 12/03/2012

EXPIRATION DATE: 12/31/2013

Duly Authorized Representative – Linda M. Shumaker PE.

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.

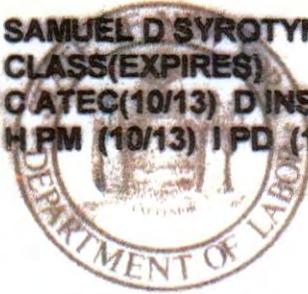


Eileen M. Franko, Acting Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



SAMUEL D SYROTYNSKI
CLASS(EXPIRES)
C ATEC(10/13) D INSP(10/13)
H PM (10/13) I PD (10/13)



CERT# 89-03517
DMV# 627109068

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES BRO
HAIR BRO
HGT 6' 02"

IF FOUND RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ANDREW J MARS DEN
CLASS(EXPIRES)
D. INSP(02/13) H PM (02/13)



CERT# 06-12559
DMV# 597963863

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES HAZ
HAIR BRO
HGT 5' 08"

IF FOUND RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. MICHAEL H. HAY
FIBERS ID INC
1670 WESTERN AVE BLDG. B
ALBANY, NY 12203-4218

NY Lab Id No: 11129

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:

Miscellaneous

Asbestos in Friable Material EPA 600/4-82/020
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Serial No.: 46704

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 (516) 485-6670 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. PAUL STASCAVAGE
EAS INC - EASTERN ANALYTICAL SERVICES INC
4 WESTCHESTER PLAZA
ELMSFORD, NY 10523-1610

NY Lab Id No: 10851

*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:*

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
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

APP. 14.2, HUD JUNE 1995
EPA 3050B

Serial No.: 46181

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