

# ENVIROSCIENCE CONSULTANTS, INC.

2150 SMITHTOWN AVE. + RONKONKOMA, NY 11779

+ PHONE (631) 580-3191 + FAX (631) 580-3195

## PRINCIPALS

G. NEUSCHWENDER  
B. GALLAGHER  
T. KLUENDER  
J. DRISCOLL

G. MENEGIO  
J. SPILLET  
R. KLUENDER  
E. IVANS  
E. DETWEILER  
K. LODDENGAAARD  
J. PIRO

24 November 2014

Dr. Rosmarie Bovino  
Island Park Schools  
99 Radcliffe Road  
Island Park, NY 11558  
Ph: (516) 431-7268 Fax: (516) 431-7550

Re: **Hegarty School**

Dear Dr. Bovino:

Enviroscience Consultants Inc. conducted a limited inspection at the Hegarty School to identify asbestos in building materials, lead-based paint, and polychlorinated biphenyls (PCB) in caulking that may be impacted as a result of the proposed Art Room 100 and Gymnasium alterations. The inspection was limited to the Art Room 100 and the Gym. The extent of the project was identified in documents and plans prepared by BBS Architects & Engineers, PC.

### **Art Room 100**

#### **Asbestos**

Asbestos was identified in the wall plaster finish coat. This plaster also covers the soffit inside the rear closet (closet ceiling). Portions of the window wall are covered with sheetrock, but this ACM plaster is visible behind the casework/unit ventilator. The ceiling of the room is sheetrock. This sheetrock may have been installed on asbestos plaster. Old 12-inch white floor tile and associated mastic located under the casework and cabinets tested negative for asbestos. Asbestos was not detected in any of the other materials tested, which include the scratch coat plaster, under the asbestos finish coat plaster, sink sound deadening mastic on the undersides of the stainless steel sink, or the sheetrock ceiling. Refer to the Asbestos Bulk Sample Results #12275 for detailed sample information, locations and results.

### **Gymnasium**

#### **Asbestos**

The finish coat plaster on the gym ceiling is a soft asbestos containing acoustical plaster. The existing 2-foot square lights are surface mounted under the ACM plaster. The plaster is painted and appears to be in good condition.

Refer to the Asbestos Bulk Sample Results #12276

### **Lead**

Enviroscience Consultants Inc. conducted a limited XRF Lead Based Paint Inspection to identify lead-based paint and lead-containing components that may be impacted by the project. The inspection was conducted by a EPA certified lead inspector/risk assessor in accordance with the New York State Education Department requirements and the US Housing and Urban

#### **Hegarty School**

**Art Room 100 and Gym Alterations**

**ENVIRONMENTAL & INDUSTRIAL HYGIENE CONSULTANTS**

**WWW.ENVIROHEALTH.ORG**

Development Agency Guidelines for the Evaluation and Control of Lead Based Paint in Housing, Chapter 7, Lead -Based Paint Inspection, 1997 Revision.

Results indicate lead is present in the following surfaces and components:

Green 4" Ceramic Wall Tile            Boys Locker Room  
   Boys Team Locker room Storage  
   Boys Gym Office Toilet

Tan Painted Concrete Block Walls    Boys Locker Room

Red Painted Concrete Block Walls    Boys Locker Room

Pink 4" Ceramic Wall Tile            Girls Locker Room  
   Girls Gym Office Toilet

Tan 4" Ceramic Wall Tile            Girls Locker Room Closet

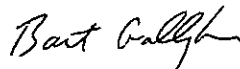
The structural steel located above the finished ceilings may also be coated with lead-based paint.

All other surfaces and components tested negative for lead. Refer to the attached Lead Inspection Report for sample locations and results. A lead safe work plan is required for the safe removal of lead paint containing surfaces and components that may be disturbed by the project.

**PCB Test Results for Window Caulk**

No suspect PCB containing materials were encountered during this inspection.

Sincerely,



Bart Gallagher

cc: Steve Walsh, BBS Architects

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ELAP # 11681; NVLAP Lab Code 200531-0

## ASBESTOS BULK SAMPLE RESULTS

CLIENT:	Island Park Schools	SAMPLE DATE:	11/10/2014
PROJECT NAME:	Hegarty School - Art Room 100 and Gymnasium	DATE RECEIVED:	11/12/2014
JOB #:	11840	AREA:	Art Room 100
PAGE #:	1 of 4	SAMPLER:	Bart Gallagher
		CUSTODY #:	12275

Sample #	Description	Color	Location	Result	% Asbestos-type	% Non-asbestos Fibers-type	% Matrix-type
FT1	12-inch Floor Tile, old	White	Old tile under cabinets	None Detected by TEM		None Detected	85.7% organics and carbonates 14.3% silicates and opaques
M2	Mastic for old floor tile	Black	Under cabinets	None Detected by TEM		None Detected	93.1% organics and carbonates 6.9% silicates and opaques
FT3	12-inch Floor Tile	White	Old tile under casework at window wall	None Detected by TEM		None Detected	98.1% organics and carbonates 1.9% silicates and opaques
M4	Mastic for old floor tile, old	Black	Under cabinets	None Detected by TEM		None Detected	87.6% organics and carbonates 12.4% silicates and opaques
SR5	Sheetrock w/joint compound	White	Ceiling	None Detected		20.0% cellulose	80.0% plaster
SR6	Sheetrock w/joint compound	White	Ceiling	None Detected		20.0% cellulose	80.0% plaster

**Key:** ACM: Asbestos Containing Materials contain more than 1% asbestos (shown in bold type). This method (ELAP 198.6) does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.  
 Trace - Asbestos found is 1% or less; not considered ACM.  
 None Detected - No asbestos found in samples using transmission electron microscopy (TEM) and polarized light microscopy (PLM) was found to be negative.  
 Negative by Weight - After matrix reduction, the remainder is less than 1% and, therefore, cannot fulfill the definition of asbestos containing material.  
 Inconclusive - No asbestos found in non-friable organically bound samples using polarized light microscopy (PLM).  
 Method: EPA 600/M4-82/20, ELAP Item 198.6 This report may not be reproduced without the express permission of Enviroscience. This report cannot be used to claim endorsement of products by NVLAP or any agency of the U.S. Government. Test results only reflect conditions at the time the samples were taken.

*John F. Spillitto*

Analyzed by: \_\_\_\_\_ Date Analyzed: 11/18/2014

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PAGE #:	2 of 4	SAMPLER:	Bart Gallagher
		CUSTODY #:	12275

Sample #	Description	Color	Location	Result	% Asbestos-type	% Non-asbestos Fibers-type	% Matrix-type
SM7	Sound Deadening Mastic for stainless steel sink	Gray	Front Sink	None Detected by TEM		None Detected	58.2% organics and carbonates 41.8% silicates and opaques
SM8	Sound Deadening Mastic for stainless steel sink	Gray	Island Sink	None Detected by TEM		None Detected	53.8% organics and carbonates 46.2% silicates and opaques
SM9	Sound Deadening Mastic for stainless steel sink	Gray	Rear Sink	None Detected by TEM		None Detected	55.4% organics and carbonates 44.6% silicates and opaques
WPS10	Wall Plaster, scratch coat	Gray	By classroom door	None Detected		3.0% cellulose	97.0% cement
WPF11	Wall Plaster, finish coat	Tan	By classroom door	9.5% Asbestos	9.5% Chrysotile	4.8% cellulose	85.7% plaster
WPS12	Wall Plaster, scratch coat	Gray	South wall	None Detected		3.0% cellulose	97.0% cement
WPF13	Wall Plaster, finish coat	Tan	South wall	9.1% Asbestos	9.1% Chrysotile	4.5% cellulose	86.4% plaster

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PAGE #:	3 of 4	SAMPLER:	Bart Gallagher
		CUSTODY #:	12275

Sample #	Description	Color	Location	Result	% Asbestos-type	% Non-asbestos Fibers-type	% Matrix-type
WPS14	Wall Plaster, scratch coat	Gray	West wall by rear sink	None Detected		3.0% cellulose	97.0% cement
WPF15	Wall Plaster, finish coat	Tan	West wall by rear sink	9.8% Asbestos	9.8% Chrysotile	4.9% cellulose	85.3% plaster
WPS16	Wall Plaster, scratch coat	Gray	Rear Closet Wall	None Detected		3.0% cellulose	97.0% cement
WPF17	Wall Plaster, finish coat	Tan	Rear Closet Wall	10.3% Asbestos	10.3% Chrysotile	5.1% cellulose	84.6% plaster
WPS18	Wall Plaster, scratch coat	Gray	Rear Closet Wall	None Detected		3.0% cellulose	97.0% cement
WPF19	Wall Plaster, finish coat	Tan	Rear Closet Wall	9.3% Asbestos	9.3% Chrysotile	4.7% cellulose	86.0% plaster
CPS20	Ceiling Plaster, scratch coat	Gray	Closet Soffit Ceiling	None Detected		3.0% cellulose	97.0% cement
CPF21	Ceiling Plaster, finish coat	Tan	Closet Soffit Ceiling	9.8% Asbestos	9.8% Chrysotile	4.9% cellulose	85.3% plaster

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JOB #:	11840	AREA:	Art Room 100
PAGE #:	4 of 4	SAMPLER:	Bart Gallagher
		CUSTODY #:	12275

Sample #	Description	Color	Location	Result	% Asbestos-type	% Non-asbestos Fibers-type	% Matrix-type
CPS22	Ceiling Plaster, scratch coat	Gray	Closet Soffit Ceiling	None Detected		3.0% cellulose	97.0% cement
CPF23	Ceiling Plaster, finish coat	Tan	Closet Soffit Ceiling	10.0% Asbestos	10.0% Chrysotile	2.5% cellulose	87.5% plaster
CPS24	Ceiling Plaster, scratch coat	Gray	Closet Soffit Ceiling	None Detected		3.0% cellulose	97.0% cement
CPF25	Ceiling Plaster, finish coat	Tan	Closet Soffit Ceiling	8.9% Asbestos	8.9% Chrysotile	4.4% cellulose	86.7% plaster

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 None Detected - No asbestos found in samples using polarized light microscopy (PLM).  
 None Detected by TEM - No asbestos found in samples using transmission electron microscopy (TEM) and polarized light microscopy (PLM) was found to be negative.  
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 PROJECT NAME: Hegarty School - Art Room 100 and Gymnasium DATE RECEIVED: 11/12/2014  
 JOB #: 11840 AREA: Gymnasium  
 PAGE #: 1 of 2 SAMPLER: Bart Gallagher  
 CUSTODY #: 12276

Sample #	Description	Color	Location	Result	% Asbestos-type	% Non-asbestos Fibers-type	% Matrix-type
CPF1	Ceiling Plaster, finish coat	White	Gymnasium	12.9% Asbestos	12.9% Chrysotile	29.0% cellulose	40.1% plaster 18.1% perlite
CPS2	Ceiling Plaster, scratch coat	Gray	Gymnasium	None Detected		3.0% cellulose	97.0% cement
CPF3	Ceiling Plaster, finish coat	White	Gymnasium	11.1% Asbestos	11.1% Chrysotile	36.1% cellulose	35.0% plaster 17.8% perlite
CPS4	Ceiling Plaster, scratch coat	Gray	Gymnasium	None Detected		3.0% cellulose	97.0% cement
CPF5	Ceiling Plaster, finish coat	White	Gymnasium	13.8% Asbestos	13.8% Chrysotile	31.0% cellulose	39.2% plaster 16.0% perlite
CPS6	Ceiling Plaster, scratch coat	Gray	Gymnasium	None Detected		3.0% cellulose	97.0% cement
CPF7	Ceiling Plaster, finish coat	White	Gymnasium	13.3% Asbestos	13.3% Chrysotile	30.0% cellulose	36.7% plaster 20.0% perlite
CPS8	Ceiling Plaster, scratch coat	Gray	Gymnasium	None Detected		3.0% cellulose	97.0% cement

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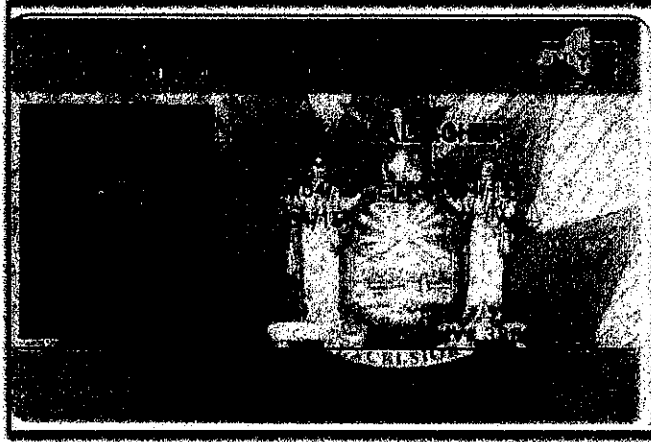
Sample #	Description	Color	Location	Result	% Asbestos-type	% Non-asbestos Fibers-type	% Matrix-type
CPF9	Ceiling Plaster, finish coat	White	Gymnasium	11.8% Asbestos	11.8% Chrysotile	26.4% cellulose	41.8% plaster 20.0% perlite
CPS10	Ceiling Plaster, scratch coat	Gray	Gymnasium	None Detected		3.0% cellulose	97.0% cement
CPF11	Ceiling Plaster, finish coat	White	Gymnasium	11.4% Asbestos	11.4% Chrysotile	28.6% cellulose	40.0% plaster 20.0% perlite
CPS12	Ceiling Plaster, scratch coat	Gray	Gymnasium	None Detected		3.0% cellulose	97.0% cement
CPF13	Ceiling Plaster, finish coat	White	Gymnasium	10.5% Asbestos	10.5% Chrysotile	26.3% cellulose	40.0% plaster 23.2% perlite
CPS14	Ceiling Plaster, scratch coat	Gray	Gymnasium	None Detected		3.0% cellulose	97.0% cement

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Analyzed by: \_\_\_\_\_ Date Analyzed: 11/18/2014







**National Voluntary  
Laboratory Accreditation Program**



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

**Enviroscience Consultants, Inc.**

2150 Smithtown Ave.

Suite 3

Ronkonkoma, NY 11779

Mr. Edward Detweiler

Phone: 631-580-3191 Fax: 631-580-3195

E-Mail: edetweiler@envirohealth.org

URL: <http://www.envirohealth.org>

**BULK ASBESTOS FIBER ANALYSIS (PLM)**

**NVLAP LAB CODE 200531-0**

***NVLAP Code    Designation / Description***

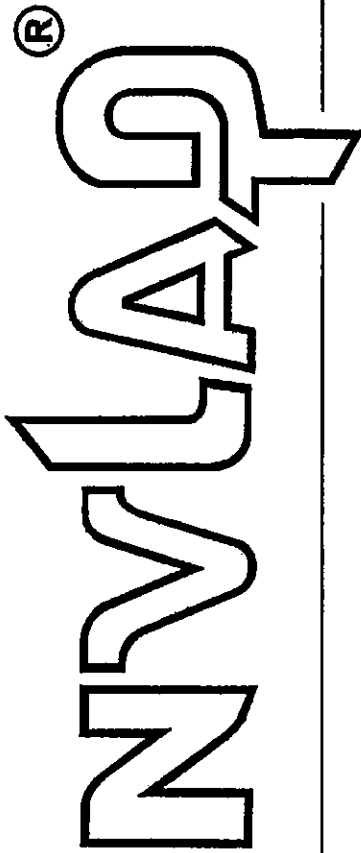
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2014-10-01 through 2015-09-30

*Effective dates*

*For the National Institute of Standards and Technology*

United States Department of Commerce  
National Institute of Standards and Technology



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

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NVLAP LAB CODE: 200531-0

**Enviroscience Consultants, Inc.**  
Ronkonkoma, 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 Communique dated January 2009).*

2014-10-01 through 2015-09-30

*Effective dates*



A handwritten signature in black ink, appearing to read "Michael R. Mudd".

*For the National Institute of Standards and Technology*

**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**

Enviroscience Consultants, Inc.  
612150 Smithtown Avenue  
Ronkonkoma, NY 11779

FILE NUMBER: 99-0882  
LICENSE NUMBER: 28738  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 10/30/2014  
EXPIRATION DATE: 11/30/2015

Duly Authorized Representative: Thomas Klueder

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, Director  
For the Commissioner of Labor