

Half Hollow Hills CSD
Six Month AHERA Surveillance
Natatorium
May 2023



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Project #23546

Six Month AHERA Surveillance

Performed at

Natatorium
375 Wolf Hill Road
Dix Hills, NY 11746

for

Half Hollow Hills CSD
Administration Building
525 Half Hollow Road
Dix Hills, NY 11746

May 2023

Prepared by:

Enviroscience Consultants, LLC
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Project #23546

Inspector & Management
Planner:


Bartley Gallagher

NYSDOL #92-13892

Inspectors:


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NYSDOL #21-08575


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NYSDOL #15-10408

Six Month AHERA Surveillance

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I. Summary

A six month AHERA surveillance for the Natatorium of the Half Hollow Hills CSD was performed by Ms. Alexis Bruno and Mrs. Pamela Chadderton of Enviroscience Consultants, LLC on June 3, 2023.

The six month surveillance was performed in full accordance with the Asbestos Hazard Emergency Response Act (AHERA) regulations. Ms. Bruno and Mrs. Chadderton are certified AHERA Inspectors.

Ms. Bruno and Mrs. Chadderton performed the on-site investigation, which included examining existing ACBM, evaluating the condition of the ACBM, and determining if originally non-friable materials have become friable. The physical condition of most of the ACBM found in this building did not change.

After studying the inspection reports, Mr. Bartley M. Gallagher, a certified EPA/AHERA Inspector and Management Planner, developed the recommendations for response actions depending on his evaluation of the hazard that each material may cause.

An Inventory of Asbestos Containing Materials by location, including the AHERA Functional Space identification number is in Appendix B. This inventory includes the material, quantity, amount damaged, the hazard level, the AHERA Reassessment category, and recommended response actions. A remarks column includes sampling and abatement action and other pertinent information.

Floor plans correlating the AHERA Functional Space ID number with the current common location names are in Appendix C.

II. Inspection and Recommendations

The inspector entered all accessible spaces to inspect and physically assess the condition and friability of all previously known or assumed ACBM. The inspector noted any change in condition of remaining materials, materials that have been abated since the last reinspection, and any materials that were either not identified, or may have been improperly classified.

Unless otherwise stated, a recommendation for removal is a suggestion that the materials be removed as soon as the school's budget will allow.

During this inspection there was damage noted, repairs should be made. Please reference your Summary of Damaged Asbestos Containing Materials found in Appendix A.

Since the last surveillance, the following asbestos abatement activities were performed:

In June 2023, bulk samples were collected of the 2'x2' smooth ceiling tile, concrete block, and concrete block mortar in the Women's Locker Room (AHERA space #1003), and Men's Locker Room (AHERA space #1008). Results confirmed the materials sampled to be non-asbestos containing. Please reference Enviroscience Consultants, LLC chain of custody #35255 for detailed sample location information and results.

In February 2023, bulk samples were collected of the cementitious wall plaster, and pipe fitting insulation in the Filter Room (AHERA space #0001). Results confirmed the materials sampled to be non-asbestos containing. Please reference Enviroscience Consultants, LLC chain of custody #34637 for detailed sample location information and results.

History:

In November 2021, Enviroscience Consultants was retained by the Half Hollow Hills Central School District to perform the surveillance inspections and three year reinspections in full accordance with the Asbestos Hazard Emergency Response Act (AHERA) regulations. Any information pertaining to the assessment and changes in condition of ACBM prior to November 2021 must be obtained from the records maintained by the Half Hollow Hills Central School District.

Any damaged material that is assumed to be asbestos containing should be sampled to confirm that it is identified as ACBM before initiating repair procedures.

The inspector did not access any flooring materials located under carpeting or new tiles because obtaining access would damage the carpet or new tiles. Prior to disturbing any carpets or removing new floor tiles, the school should ascertain whether floor tiles are located beneath them. Repair or replace damaged floor tiles as noted. We have prepared an inventory of asbestos containing materials for the building. These pages list the current damage category, changes in physical condition, current priority levels, changes in response actions, and bulk sampling and abatement information (see Appendix B).

All materials are currently classified as non-friable in their present condition, except for damaged ceiling tiles.

III. Bulk Sampling Protocol

Thermal System Insulation - Three (3) samples are randomly collected for each homogeneous material of Thermal System Insulation (TSI). AHERA states that for each area of patched TSI at least one (1) sample be collected.

Surfacing Materials - a minimum of three (3), five (5) or seven (7) samples based upon the amount of suspect material present.

Miscellaneous Materials - require a minimum of two (2) samples.

New York State Revisions to Analytical Methods

Over the years, the New York State Department of Health has made several revisions to testing requirements that affect suspect asbestos materials in school buildings. These changes have resulted in the requirement to re-sample and analyze certain materials to comply with the revised analytical methods:

Surfacing Materials - In May 2016, the New York State Department of Health (NYSDOH) finalized testing requirements and approved a new analytical method for analysis of surfacing materials that contain vermiculite. Surfacing materials that could contain vermiculite include spray-on fireproofing, wall plaster, and ceiling plaster. Unfortunately, the previous analysis method for fireproofing and plasters did not specifically require that the vermiculite percentage be reported. The District must now consider any spray or troweled fireproofing or plaster materials to be presumed asbestos containing materials (PACM) until they are re-tested to conform to the new requirements. As a result, we have added any plaster previously classified as non-asbestos to the Inventory of Asbestos Containing Materials. Re-testing of any fireproofing or plaster materials will be noted in the narrative and will be shown in the Inventory.

Ceiling Tile - In August 2012, the New York State Department of Health stated that Transmission Electron Microscopy (TEM) is the only reliable method for identifying asbestos fibers in ceiling tiles that

contain cellulose. Any ceiling tiles that have not been analyzed and found negative using TEM methods must be classified as ACM unless the District has documentation that they are non-ACM. Any re-testing of ceiling tiles will be noted in the narrative and will be shown in the Inventory. The District should keep records for any new non-asbestos ceiling tiles that are installed, including the location, brand, model number, date of manufacture, and date of installation.

Floor Tile and Other NOB Materials - In 1992, the New York State Department of Health stated that Transmission Electron Microscopy (TEM) is the only reliable method for identifying asbestos fibers in non-friable organically bound (NOB) materials such as floor tiles and roofing materials. As such, any floor tiles and mastic which have not been analyzed and found negative using TEM methods must be classified as ACM unless the District has documentation that they are non-ACM. Re-testing of any floor tile, mastic or other NOB materials will be noted in the narrative and will be shown in the Inventory.

During this surveillance, bulk samples were collected of the 2'x2' smooth ceiling tile, concrete block, and concrete block mortar in the Women's Locker Room (AHERA space #1003), and Men's Locker Room (AHERA space #1008). Results confirmed the materials sampled to be non-asbestos containing. Please reference Enviroscience Consultants, LLC chain of custody #35255 in Appendix F for detailed sample location information and results.

IV. Hazard Rank Determination

For each homogeneous material, a response action priority level is determined depending on its physical condition, location, and potential for future damage. Materials were classified into seven categories, based upon the type, condition, and potential for damage of the ACBM. The categories are as follows:

Hazard Rank	ACBM Condition	ACBM Disturbance Potential
1	Significantly Damaged	Any Potential for Damage
2	Damaged	Potential for Significant Damage
3	Damaged	Potential for Damage
4	Damaged	Low Potential for Damage
5	Good	Potential for Significant Damage
6	Good	Potential for Damage
7	Good	Low Potential for Damage

The district shall select and implement in a timely manner the appropriate response actions consistent with the assessment category. The response actions selected shall be sufficient to protect human health and the environment. The district may then select, from the response actions which protect human health and the environment, that action which is the least burdensome method. Nothing in this section shall be construed to prohibit removal of ACBM from a school building at any time, should removal be the preferred response action of the district.

If damaged or significantly damaged thermal system insulation ACM is present in a building, the district shall:

- (1) At least repair the damaged area.
- (2) Remove the damaged material if it is not feasible, due to technological factors, to repair the damage.
- (3) Maintain all thermal system insulation ACM and its covering in an intact state and undamaged condition.

If damaged friable surfacing ACM or damaged friable miscellaneous ACM is present in a building, the district shall select from among the following response actions: encapsulation, enclosure, removal, or repair of the damaged material.

In selecting the response action from among those which meet the definitional standards in §763.83, the district shall determine which of these response actions protects human health and the environment. For purposes of determining which of these response actions are the least burdensome, the district may then consider local circumstances, including occupancy and use patterns within the school building, and its economic concerns, including short and long-term costs.

V. AHERA Reassessment Category

The Management Planner is also required to classify each friable and thermal system insulation (TSI) ACBM and suspected ACBM assumed to be ACM in the school building into one of the following AHERA 1 through 7 reassessment categories based on damage, potential for damage, and material category:

- (1) Damaged or significantly damaged thermal system insulation ACM.
 - (2) Damaged friable surfacing ACM.
 - (3) Significantly damaged friable surfacing ACM.
 - (4) Damaged or significantly damaged friable miscellaneous ACM.
 - (5) ACBM with potential for damage.
 - (6) ACBM with potential for significant damage.
 - (7) Any remaining friable ACBM or friable suspected ACBM.
- N/A Not Applicable

Appendix A

INVENTORY OF DAMAGED ASBESTOS CONTAINING MATERIALS

Summary of Damaged Asbestos Containing Materials

SPACE NO.	LOCATION	MATERIAL DESCRIPTION	HA/USA	QUANTITY	AMOUNT DAMAGED	HAZARD RANK	AHERA REASSESSMENT CATEGORY	RESPONSE ACTION	REMARKS
1001A	ENTRANCE VESTIBULE STORAGE 1	2x2 CEILING TILE, FISSURED		120 SF	3 TILES	4	4	REPAIR	CRACKED/HOLE/DUCT TAPE/WATER DAMAGED
1008	MEN'S LOCKER ROOM	2x2 CEILING TILE, SPECKLED		18 SF	1 TILE	4	4	REPAIR	HOLE
1008B	MEN'S LOCKER ROOM SHOWERS	BLACK COVE BASE & MASTIC WALL/C HALKBOARD MASTIC		32 LF 261 SF	12 LF 20 SF	4 4	N/A NON FRIABLE N/A NON FRIABLE	REPAIR REPAIR	MISSING - MASTIC PAINTED OVER MIRROR MASTIC EXPOSED
1009	POOL STORAGE 2	2x2 CEILING TILE, SPLASH		16 SF	2 TILES	4	4	REPAIR	WATER DAMAGED/HOLE
1011	POOL	BEIGE CERAMIC FLOOR TILE GROUT & GLUE		4800 SF	1 SF	4	N/A NON FRIABLE	REPAIR	CHIPPED
		2x2 CEILING TILE, SPECKLED		8030 SF	2 TILES	4	4	REPAIR	WATER DAMAGED & CHIPPED

Appendix B

INVENTORY OF ASBESTOS CONTAINING MATERIALS

Summary of Asbestos Containing Materials

SPACE NO.	LOCATION	MATERIAL DESCRIPTION	HA/USA	QUANTITY	AMOUNT DAMAGED	HAZARD RANK	AHERA REASSESSMENT CATEGORY	RESPONSE ACTION	REMARKS
0001	FILTER ROOM	CEMENTATIIOUS WALL PLASTER		0					CONFIRMED NON ACM (ECL JOB #23164)
		WALL/CHALKBOARD MASTIC		4 SF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		MUD JOINT PACKING		0					CONFIRMED NON ACM (ECL JOB #23164)
1001	MAIN ENTRANCE VESTIBULE	12X12 WHITE/BLUE FLOOR TILE & MASTIC		110 SF	0	7	N/A NON FRIABLE	O&M	CERAMIC FLOOR TILE OBSERVED
		BLACK COVE BASE & MASTIC		15 LF	0	7	N/A NON FRIABLE	O&M	CERAMIC WALL BASE OBSERVED
		METAL FIRE DOOR INSULATION		2 DOORS	0	7	7	O&M	GOOD CONDITION
		2X2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1001CP	MAIN ENTRANCE VESTIBULE CEILING PLENUM	NONE OBSERVED							
1001A	ENTRANCE VESTIBULE STORAGE 1	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		WOOD FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2X2 CEILING TILE, FISSURED		120 SF	3 TILES	4	4	REPAIR	CRACKED/HOLE/DUCT TAPE/WATER DAMAGED
1001ACP	ENTRANCE VESTIBULE STORAGE 1 CEILING PLENUM	NONE OBSERVED							
1001B	ENTRANCE VESTIBULE STORAGE 2	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		WOOD FIRE DOOR INSULATION		2 DOORS	0	7	7	O&M	GOOD CONDITION
1001BCP	ENTRANCE VESTIBULE STORAGE 2 CEILING PLENUM	NONE OBSERVED							
1002	WOMEN'S LOCKER ROOM BATHROOM	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		2 DOORS	0	7	7	O&M	GOOD CONDITION
		2X2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)

SPACE NO.	LOCATION	MATERIAL DESCRIPTION	HA/USA	QUANTITY	AMOUNT DAMAGED	HAZARD RANK	AHERA REASSESSMENT CATEGORY	RESPONSE ACTION	REMARKS
1002CP	WOMEN'S LOCKER ROOM BATHROOM CEILING PLENUM	NONE OBSERVED							
1003	WOMEN'S LOCKER ROOM	BLACK COVE BASE & MASTIC		250 LF		7	N/A NON FRIABLE	O&M	MOST IS MISSING BUT PAINTED OVER
		CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1003CP	WOMEN'S LOCKER ROOM CEILING PLENUM	NONE OBSERVED							
1003A	WOMEN'S LOCKER ROOM SHOWERS	BLACK COVE BASE & MASTIC		0					REMOVED
		CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		WALL/CHALKBOARD MASTIC		261 SF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1003ACP	WOMEN'S LOCKER ROOM SHOWERS CEILING PLENUM	NONE OBSERVED							
1003B	WOMEN'S LOCKER ROOM CLOSET	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		MUD JOINT PACKING		4 UNITS	0	7	7	O&M	NOT OBSERVED
		CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
1004	POOL STORAGE 1	METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1004CP	POOL STORAGE 1 CEILING PLENUM	NONE OBSERVED							

Summary of Asbestos Containing Materials

SPACE NO.	LOCATION	MATERIAL DESCRIPTION	HA/USA	QUANTITY	AMOUNT DAMAGED	HAZARD RANK	AHERA REASSESSMENT CATEGORY	RESPONSE ACTION	REMARKS
1005	COACH OFFICE 2	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		WALL/CHALKBOARD MASTIC		28 SF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		WINDOW/ GLAZING/CAULKING		30 LF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1005CP	COACH OFFICE 2 CEILING PLENUM	NONE OBSERVED							
1005A	COACH OFFICE 2 BATHROOM	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		MIRROR MASTIC		6 SF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1005ACP	COACH OFFICE 2 BATHROOM CEILING PLENUM	NONE OBSERVED							
1006	HALL TO LOCKER ROOM	BLACK COVE BASE & MASTIC		38 LF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
		2x2 CEILING TILE, SPECKLED		0					TILE REPLACED
1006CP	HALL TO LOCKER ROOMS CEILING PLENUM	SKYLIGHT CAULKING		16 LF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
1007	MEN'S LOCKER ROOM BATHROOM	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		2 DOORS	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1007CP	MEN'S LOCKER ROOM BATHROOM CEILING PLENUM	NONE OBSERVED							

Summary of Asbestos Containing Materials

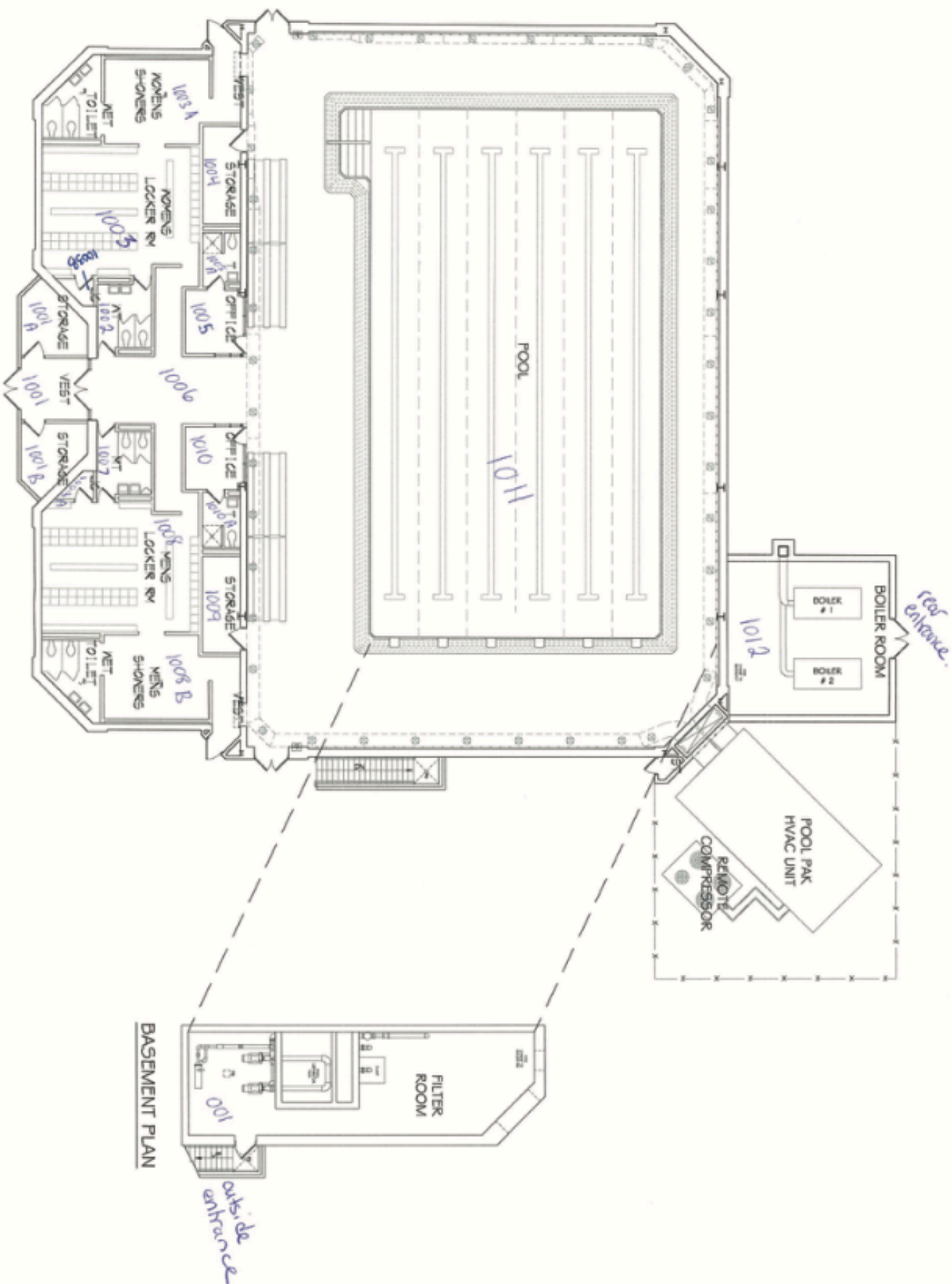
SPACE NO.	LOCATION	MATERIAL DESCRIPTION	HA/USA	QUANTITY	AMOUNT DAMAGED	HAZARD RANK	AHERA REASSESSMENT CATEGORY	RESPONSE ACTION	REMARKS
1008	MEN'S LOCKER ROOM	BLACK COVE BASE & MASTIC		250 LF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SPECKLED		18 SF	1 TILE	4	4	REPAIR	HOLE
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1008CP	MEN'S LOCKER ROOM CEILING PLENUM	NONE OBSERVED							
1008A	MEN'S LOCKER ROOM CLOSET	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		MUD JOINT PACKING		0					ABATED JCB#12-23200
		BLACK COVE BASE & MASTIC		32 LF	12 LF	4	N/A NON FRIABLE	REPAIR	MISSING - MASTIC PAINTED OVER
1008B	MEN'S LOCKER ROOM SHOWERS	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		WALL/C HALKBOARD MASTIC		261 SF	20 SF	4	N/A NON FRIABLE	REPAIR	MIRROR MASTIC EXPOSED
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1008BCP	MEN'S LOCKER ROOM SHOWERS CEILING PLENUM	NONE OBSERVED							
1009	POOL STORAGE 2	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
		2x2 CEILING TILE, SPLASH		16 SF	2 TILES	4	4	REPAIR	WATER DAMAGED/HOLE

Summary of Asbestos Containing Materials

SPACE NO.	LOCATION	MATERIAL DESCRIPTION	HA/USA	QUANTITY	AMOUNT DAMAGED	HAZARD RANK	AHERA REASSESSMENT CATEGORY	RESPONSE ACTION	REMARKS
1009CP	POOL STORAGE 2 CEILING PLENUM	ROOF TAR		N/A	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
1010	COACH OFFICE 1	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		WINDOW/ GLAZING/CAULKING		30 LF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1010CP	COACH OFFICE 1 CEILING PLENUM	NONE OBSERVED							
1010A	COACH OFFICE 1 BATHROOM	CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		MIRROR MASTIC		6 SF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		METAL FIRE DOOR INSULATION		1 DOOR	0	7	7	O&M	GOOD CONDITION
		2x2 CEILING TILE, SMOOTH		0					CONFIRMED NON ACM (ECL JOB #23546)
1010ACP	COACH OFFICE 1 BATHROOM CEILING PLENUM	NONE OBSERVED							
1011	POOL	3X6 WALL PANEL		1004 SF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		BEIGE CERAMIC FLOOR TILE GROUT & GLUE		4800 SF	1 SF	4	N/A NON FRIABLE	REPAIR	CHIPPED
		CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		GYPSUM BOARD		90 SF	0	7	7	O&M	GOOD CONDITION
		WINDOW/ GLAZING/CAULKING		160 LF	0	7	N/A NON FRIABLE	O&M	GOOD CONDITION
		METAL FIRE DOOR INSULATION		4 DOORS	0	7	7	O&M	GOOD CONDITION
1012	EXTERIOR BOILER ROOM	2x2 CEILING TILE, SPECKLED		8030 SF	2 TILES	4	4	REPAIR	WATER DAMAGED & CHIPPED
		CONCRETE BLOCK & MORTAR		0					CONFIRMED NON ACM (ECL JOB #23546)
		METAL FIRE DOOR INSULATION		2 DOORS	0	7	7	O&M	GOOD CONDITION
		FIRE BRICK		1 UNIT	0	7	7	O&M	GOOD CONDITION

Appendix C

DRAWINGS



 ENVIROSCIENCE CONSULTANTS A Consulting Company 2150 SMITHTOWN AVENUE RONKONKOMA, NY 11779 (631) 580-3191 FAX 580-3195 www.envirohealth.org	ENVIROSCIENCE CONSULTANTS KEY PLAN NO SCALE	PROJECT SIX MONTH AHERA SURVEILLANCE NATATORIUM FLOOR PLAN CLIENT HALF HOLLOW HILLS CENTRAL SCHOOL DISTRICT	 PROJECT #: 23546 COMMENTS: None	NOT TO SCALE Date: 06/14/2023 By: Robert Cardona DRAWING 1 of 1
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Appendix D

CERTIFICATIONS

WE ARE YOUR DOL

 **Department of Labor**

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Enviroscience Consultants, LLC
2150 Smithtown Avenue, Ronkonkoma, NY, 11779

License Number: 28733
License Class: RESTRICTED
Date of Issue: 11/04/2022
Expiration Date: 11/30/2023
Duly Authorized Representative: Bartley Gallagher

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.


Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

Appendix E

NOTICE TO SHORT TERM WORKERS

NOTICE TO SHORT TERM WORKERS

All workers entering the Natatorium must sign in, thereby acknowledging the presence and locations of asbestos containing building materials in the building. No work will be allowed in the areas listed without prior approval from the AHERA Designated Person for the Half Hollow Hills School District.

Sign in sheets will be picked up at the time of the Six Month AHERA Surveillance and will be placed in the buildings Asbestos Management Plan.

Asbestos containing materials and their locations at the Natatorium are listed in the AHERA Management Plan, which is available for review, upon request.

[illegible]

Appendix F
BULK SAMPLE RESULTS

ELAP # 11681; NVLAP Lab Code 200531-0

ASBESTOS BULK SAMPLE RESULTS

CLIENT:	Half Hollow Hills CSD 525 Half Hollow Road, Dix Hills, NY 11746		SAMPLE DATE:	6/3/2023	
PROJECT NAME:	AHERA Six-month Surveillance - May 2023		DATE RECEIVED:	6/5/2023	
JOB #:	23546		AREA:	Natatorium - Ceiling and Concrete Block & Mortar	
PAGE #:	1 of 1		SAMPLER:	Pamela Chadderton	
			CUSTODY #:	35255	

Lab ID	Sample #	Description	Color	Location	Total Asbestos Result	% Asbestos-type	% Non-asbestos Fibers-type	% Matrix-type
99439	CT1	2x2 Ceiling Tile, smooth	White	Women's Locker Room (AHERA #1003)	None Detected by TEM		6.7% fiberglass	32.8% organics and carbonates 60.5% silicates and opaques
99440	CT2	2x2 Ceiling Tile, smooth	White	Men's Locker Room (AHERA #1008)	None Detected by TEM		6.8% fiberglass	31.9% organics and carbonates 61.3% silicates and opaques
99441	CMU3	Concrete Block	Gray	Women's Locker Room (AHERA #1003)	None Detected		3.0% cellulose	97.0% cement
99442	CMU4	Concrete Block	Gray	Men's Locker Room (AHERA #1008)	None Detected		3.0% cellulose	97.0% cement
99443	CMO5	Concrete Block Mortar	Tan	Women's Locker Room (AHERA #1003)	None Detected		3.0% cellulose	97.0% cement
99444	CMO6	Concrete Block Mortar	Tan	Men's Locker Room (AHERA #1008)	None Detected		3.0% cellulose	97.0% cement

Method: EPA 600/M4-82/20, 600/R-93/116, NYS DOH ELAP Item 198.1, 198.4, 198.6, 198.8.

ACM: Asbestos Containing Materials contain more than 1%.

None Detected - No asbestos found in samples using polarized light microscopy (PLM). Trace - Asbestos found is 1% or less, not considered ACM.

None Detected by TEM - 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-frable organically bound samples using polarized light microscopy (PLM).

Method ELAP 198.6 does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite. Samples of Surface Material that contain Vermiculite are analyzed by ELAP 198.8 for conclusive result.

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ANALYZED BY: <u><i>Pamela Chadderton</i></u>	PLM DATE: <u>6/7/2023</u>	ANALYZED BY: <u><i>Pamela Chadderton</i></u>
DIRECTOR: <u><i>Edward M. ...</i></u>	DATE: <u>6/9/2023</u>	REVISION #: <u>0</u>
		REVISION DATE: <u>6/9/2023</u>