

YOUR GOALS. OUR MISSION.

March 27, 2023

Via E-mail: laceyclerk@laceytownship.org

Veronica Laureigh
Administrator/Clerk
Township of Lacy
818 Lacey Road
Forked River, New Jersey 08731

**RE: Reports of Asbestos, Lead-Based Paint and "Universal Waste" Identification Surveys
Municipal Building and Police Department Building Feasibility Assessment
(A) Asbestos Identification Survey
(B) Lead-Based Paint Identification Survey
(C) PCB Mercury Liquid and Lamp Investigation ("Universal Waste")
808 & 818 Lacey Road
Lacey Township, Ocean County, New Jersey
T&M Project No. LACY-00097**

Dear Ms. Laureigh:

Enclosed are copies each of the three (3) above listed reports for the subject project. Each report presents information regarding the distribution of the hazardous/toxic materials addressed by the subject investigations.

Section 5.0 of the Asbestos Identification Survey report presents an inventory of asbestos-containing materials identified at the Municipal Building and Police Department Building located at 818 Lacey Road in Lacey Township, New Jersey and a preliminary assessment of the asbestos management activities that would be associated with the significant renovations and/or demolition planned for the subject Building Structures. Section 2.0 of the Lead-Based Paint Identification Survey Report and Section 2.0 of the "Universal Waste" Identification Survey Report each present conclusions concerning each report's findings.

We are pleased to have been given the opportunity to work with you on this project. Should you have any questions, please contact our office.

Respectfully yours,

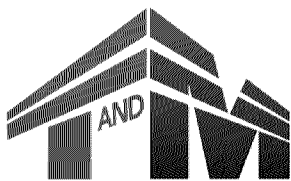
T&M ASSOCIATES

Kevin Burns
Supervising Environmental Scientist

Mark Worthington, CHMM
Group Manager

Enclosures

G:\Projects\LACY\00097\Reports\LACY-00097-CL-ACM LBP & UW-Municipal Building & Police Building-032423.docx



YOUR GOALS. OUR MISSION.



REPORT OF ASBESTOS IDENTIFICATION SURVEY

MUNICIPAL BUILDING AND POLICE DEPARTEMENT BUILDING FEASIBILITY ASSESSMENT

808 & 818 Lacey Road
Lacey Township, Ocean County, New Jersey

T&M Project No. LACY-00097

MARCH 27, 2023

PREPARED FOR:

Township of Lacey
818 Lacey Road
Forked River, New Jersey
08731

PREPARED BY:

Kevin Burns
Supervising Environmental Scientist
T&M Associates

REVIEWED BY:

Mark Worthington
Group Manager
T&M Associates

Signature

Signature



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

**REPORT OF ASBESTOS IDENTIFICATION SURVEY
MUNICIPAL BUILDING AND POLICE DEPARTMENT BUILDING
808 & 818 LACEY ROAD
LACEY TOWNSHIP, OCEAN COUNTY, NEW JERSEY
T&M PROJECT NO. LACY-00097**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 INTRODUCTION.....	1
2.0 METHODS	1
2.1 WALK THROUGH INSPECTION	1
2.2 BULK MATERIAL SAMPLING ANALYSIS	2
3.0 SUSPECT MATERIALS, SAMPLING & PRESUMED MATERIALS	2
3.1 MATERIALS SUBJECT TO SAMPLING TO DETERMINE THE ASBESTOS-CONTENT	2
3.2 COMMENTS REGARDING MATERIALS NOT CONSIDERED TO BE PACM AND COMMENTS ON GENERAL OBSERVATIONS.....	4
4.0 ANALYTICAL RESULTS – BULK MATERIAL SAMPLING	6
5.0 CONCLUSIONS.....	8
5.1 ACM IDENTIFIED	8
5.2 ASSESSMENT	15
5.3 RECOMMENDATIONS.....	16
5.4 REGARDING RENOVATION/DEMOLITION PLANS.....	16
5.5 ASBESTOS ABATEMENT COST ESTIMATE	17

APPENDIX:

Appendix A – Results of Asbestos Content Analyses including Laboratory Certificates of Analyses



1.0 INTRODUCTION

T&M Associates (T&M) was retained by Lacey Township (the Client) to perform an asbestos identification survey of the Municipal Building and Police Department Building located at 808 & 818 Lacey Road in Lacey Township, Ocean County, New Jersey.

The goal of the asbestos identification survey was the identification of asbestos-containing materials (ACMs), as well as the classification of other suspect materials as non-asbestos-containing, at the subject Building Structures. A further goal of the survey was the recommendation of appropriate response actions, especially relative to the significant renovations and/or demolition planned for the subject Building Structures.

Please note that this investigation did not include the roofing levels or roofing components associated with each Building Structure. We understand that these roofing materials may have been replaced within the last few years and we did not want to risk the integrity of the materials by conduction intrusive sampling. These materials should be assumed to be asbestos-containing until sampled to determine otherwise.

Physical inspection of the subject Building Structures, and the associated collection of bulk material samples for asbestos content analysis, was performed by Mr. Kevin Burns and Mr. Daniel Schaefer of T&M on February 6, 2023 and February 7, 2023. These personnel are United States Environmental Protection Agency (USEPA)-accredited AHERA Building Inspectors (Accreditation Nos. NAETI 62975 and NAETI 59547, respectfully).

The findings presented in this report are based on observations made at the time T&M personnel were on site, and cannot address changes in the condition of the asbestos-containing materials relative to their status as an environmental hazard subsequent to our investigation.

2.0 METHODS

2.1 Walk through Inspection

Visual observation of the subject Building Structures and bulk material sampling were conducted concurrently during the walk-through inspection. During the walk-through inspection, physical observations were recorded by the inspection team, including, (i) the presence of suspect or “presumed” (PACMs), as well as salient information relative to assessment of suspect ACMs; (ii) a catalog of materials not considered to be suspect ACM; and (iii) information relative to limitations on the survey.

Accessible building spaces and interior and exterior building elements were accessed by the inspection team. These spaces included the space above suspended tile ceilings, and above and behind other interior architectural finishes where access was available. The scope of the survey included selective encroachment through interior architectural enclosures, but not dismantlement of mechanical equipment. The inspectors did attempt to investigate through field observations, and extrapolate regarding the quantities of concealed portions of ACM identified, such as insulation concealed behind interior architectural finishes. It should be noted that, while the inspectors attempted to locate all asbestos-containing materials within the subject Building Structures, due to the lack of an ability to complete an invasive survey where holes are made into



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 2

all wall/ceiling cavities, additional asbestos-containing materials (such as pipe/fitting insulation, foundation mastic, exterior wall mastic, etc.) may be uncovered during renovation/demolition activities which would require removal following the appropriate regulations.

It should also be understood that the scope of the survey did not address potential underground structures (piping systems, etc.) that may be associated with the subject Building Structures nor the various roofing levels as previously detailed.

2.2 Bulk Material Sampling Analysis

Each PACM was assigned a “homogeneous material” number (H-number) used to identify it throughout this report.

Bulk sampling of suspected ACM was accomplished by removing a representative piece of the material in question and transferring it into an airtight plastic sample container. Consideration of a material as suspect, and the frequency with which each suspect material was sampled was in general accordance with the USEPA's "Asbestos-Containing Materials in Schools Rule" (40 CFR 763, Subpart E). Although the protocols of this regulation do not specifically and presently apply to the building surveyed herein, they do set an industry standard of care.

Laboratory analysis for asbestos content was performed in accordance with the USEPA approved petrographic method utilizing polarized light microscopy (PLM) with dispersion staining (EPA Method for the Determination of Asbestos in Bulk Samples EPA/600/R-93/116). Asphaltic and polymeric samples were dissolved with tetrahydrofuran to aid in separating particulate components from their matrices. Certain non-friable organically bound (NOB) materials that were found to be non-asbestos-containing via PLM analysis were subject to further analysis by Transmission Electron Microscopy (TEM) as a matter of Code.

Samples were analyzed in the laboratory of AmeriSci, NY (“AmeriSci”). AmeriSci’s laboratory is accredited for Bulk Asbestos Fiber Analysis through the National Institute of Standards and Technology and National Voluntary Laboratory Accreditation Program (NIST/NVLAP, laboratory accreditation # 200546).

3.0 SUSPECT MATERIALS, SAMPLING & PRESUMED MATERIALS

Subsections 3.1 lists presumed asbestos-containing materials (PACMs) that were observed at the subject Building Structures and subjected to sampling. Subsection 3.2 below discusses materials not considered to be PACM, and general observations regarding the Building Structures.

3.1 Materials Subject to Sampling to Determine the Asbestos-Content

Municipal Building – 818 Lacey Road

<i>Homogeneous ID#</i>	<i>Material Description</i>
H-01	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulation
H-02	Light green marbled 12”x12” floor tile
H-03	Black asphaltic mastic associated with light green marbled 12”x12” floor tile



<i>Homogeneous ID#</i>	<i>Material Description</i>
H-04	White 2'x4' "recessed and square patterned" suspended ceiling tile
H-05	White 2'x4' "pitted and scared" suspended ceiling tile
H-06	White veneer layer of the plaster wall and ceiling system
H-07	Grey undercoat layer of the plaster wall and ceiling system
H-08	White sheetrock wallboard
H-09	White joint compound associated with white sheetrock wallboard
H-10	White 2'x2' "sheetrock" suspended ceiling tile
H-11	White 2'x4' "pitted and large scared" suspended ceiling tile
H-12	Pink 12"x12" floor tile
H-13	Black asphaltic mastic associated with pink 12"x12" floor tile
H-14	Tan 9"x9" floor tile
H-15	Black asphaltic mastic associated with tan 9"x9" floor tile
H-16	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)
H-17	White 2'x2' "smooth and recessed" suspended ceiling tile
H-18	Black asphaltic carpet/remnant mastic
H-19	White acoustical layer of the plaster ceiling system
H-20	Grey cementitious undercoat layer of the acoustical plaster ceiling system
H-21	White 2'x2' "textured and recessed" suspended ceiling tile
H-22	White textured finish coat of the ceiling plaster system
H-23	Grey cementitious undercoat layer of the ceiling plaster system
H-24	White cementitious door caulking compound
H-25	Brown/grey window caulking compound
H-26	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulated roofing drains

Appropriate samples of each of these materials were gathered for asbestos content analysis.

Police Department Building – 808 Lacey Road

<i>Homogeneous ID#</i>	<i>Material Description</i>
H-01	Tan "multi-colored" marbled 12"x12" floor tile
H-02	Black asphaltic mastic associated with tan "multi-colored" marbled 12"x12" floor tile
H-03, H-04	White 2'x2' "smooth and recessed" suspended ceiling tile
H-05	White sheetrock wallboard
H-06	White joint compound associated with white sheetrock wallboard
H-07	Grey marbled 12"x12" floor tile
H-08	Black asphaltic mastic associated with grey marbled 12"x12" floor tile
H-09	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)
H-10	Light green marbled 12"x12" floor tile
H-11	Black asphaltic mastic associated with light green marbled 12"x12" floor tile



<i>Homogeneous ID#</i>	<i>Material Description</i>
H-12	White 2'x4' "pitted and scarred 2'x2' patterned" recessed suspended ceiling tile
H-13	White 2'x4' "pitted and scarred" suspended ceiling tile
H-14	Black slate/composite window sill
H-15	Brown rubberized door caulking compound
H-16	Brown rubberized window caulking compound

Appropriate samples of each of these materials were gathered for asbestos content analysis.

3.2 Comments regarding Materials not considered to be PACM and Comments on General Observations

Municipal Building – 818 Lacey Road

The Municipal Building was observed to be a two-story building structure constructed of exterior brick and masonry with concrete masonry unit (CMU) walls all supporting a corrugated metal decking roofing system with metal A-truss and steel beams. This was all observed to be seated on a concrete masonry and CMU foundation. The Building Structure was also observed to exhibit a full basement and an attic space.

The subject Building Structure was observed to be serviced by several rooftop mounted, localized and attic mounted HVAC units servicing uninsulated or fibrous glass insulated metal duct work. A newer-appearing fibrous glass hot water heater was also observed.

Typical domestic-type plumbing and fixtures were also observed throughout the subject Building Structure and the piping throughout the Building structure was observed to be uninsulated or insulated with non-suspect fibrous glass pipe insulation with suspect asbestos-containing pipe fitting insulation.

Concrete masonry unit (CMU) block and associated grout, ceramic floor and wall tiles and associated grout, paneling, wood flooring, fiberboard, fibrous glass batting insulation, fibrous glass pipe insulation, carpeting, metal ceiling components and exterior brickface and mortar were observed and considered to be non-suspect materials.

Police Department Building – 808 Lacey Road

The Police Department Building was observed to be a one-story brickface and mortar covered building structure constructed of both concrete masonry unit (CMU) walls and brick walls with wood framing all supporting a wood beam and decking system on the First Floor and a concrete decking system in the Basemen spaces. This was all observed to be seated on a concrete masonry and CMU foundation. The Building Structure was also observed to exhibit a full basement and an attic space.

The subject Building Structure was observed to be serviced by a York HVAC unit and several localized and rooftop HVAC units all servicing uninsulated or fibrous glass insulated metal duct work. A newer-appearing fibrous glass hot water heater was also observed.



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 5

Typical domestic-type plumbing and fixtures were also observed throughout the subject Building Structure and the piping throughout the Building structure was observed to be uninsulated or insulated with non-suspect fibrous glass pipe insulation with PVC fittings or black foam pipe insulation.

Concrete masonry unit (CMU) block and associated grout, ceramic floor and wall tiles and associated grout, paneling, wood flooring, fiberboard, fibrous glass batting insulation, fibrous glass pipe insulation, carpeting, metal and wooden ceiling components and exterior brickface and mortar were observed and considered to be non-suspect materials.



4.0 ANALYTICAL RESULTS – BULK MATERIAL SAMPLING

The criterion used for determining the status of a suspect material as ACM is the USEPA criterion of being "asbestos-containing", which is that the material is determined to contain greater than 1.0% of actinolite, amosite, anthophyllite, chrysotile, crocidolite, tremolite asbestiform fibers (40 CFR 61, Subpart M).

Analysis of the bulk material samples obtained indicated that the following materials identified at the subject Building Structure are asbestos-containing:

ACM Confirmed by Sampling:

Municipal Building – 818 Lacey Road

<i>Homogeneous ID#</i>	<i>Material Description</i>
H-01	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulation
H-02	Light green marbled 12"x12" floor tile
H-03	Black asphaltic mastic associated with light green marbled 12"x12" floor tile
H-13	Black asphaltic mastic associated with pink 12"x12" floor tile
H-14	Tan 9"x9" floor tile
H-15	Black asphaltic mastic associated with tan 9"x9" floor tile
H-16	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)
H-18	Black asphaltic carpet/remnant mastic
H-19	White acoustical layer of the plaster ceiling system
H-24	White cementitious door caulking compound
H-26	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulated roofing drains

Analysis of the other bulk material samples at this Building Structure indicated no detectable asbestos content in the material samples represented.

Police Department Building – 808 Lacey Road

<i>Homogeneous ID#</i>	<i>Material Description</i>
H-01	Tan "multi-colored" marbled 12"x12" floor tile
H-02	Black asphaltic mastic associated with tan "multi-colored" marbled 12"x12" floor tile
H-08	Black asphaltic mastic associated with grey marbled 12"x12" floor tile
H-11	Black asphaltic mastic associated with light green marbled 12"x12" floor tile

Analyses of Sample Nos. LACY-00097-020723-02, 04, and 06 (the black asphaltic mastic associated with tan "multi-colored" marbled 12"x12" floor tile) indicated "mixed results." One sample indicated an asbestos content of greater than 1.0% asbestos, while two samples indicated no asbestos content in the material samples represented. This material, however, is considered to be homogeneous and therefore should be



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 7

considered as asbestos-containing based on USEPA criterion. Also note that receipt of “mixed results” for this type of material application is not uncommon.

Analyses of Sample Nos. LACY-00097-020723-18 and 10 (the black asphaltic mastic associate with light green marbled 12”x12” floor tile) indicated “mixed results.” One sample indicated an asbestos content of less than 1.0% asbestos, while one sample indicated no asbestos content in the material samples represented. This material, however, is considered to be homogeneous and therefore can be considered as non-asbestos-containing based on USEPA criterion. However, since the mastic adhered to this tile is asbestos-containing, the floor tile will need to be treated as asbestos-containing.

Analysis of the other bulk material samples at this Building Structure indicated no detectable asbestos content in the material samples represented.



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 8

5.0 CONCLUSIONS

5.1 ACM Identified

Table 1 below catalogs the ACM identified or otherwise presumed to be present (PACM) at the subject Building Structures with a number of comments following:

TABLE 1:

INVENTORY OF ASBESTOS-CONTAINING MATERIAL (ACM) IDENTIFIED BY LOCATION

Notes: sf = square feet (of surfacing material)
lf = linear feet
ACM = confirmed asbestos-containing via sampling

Municipal Building – 818 Lacey Road

HOMOGENEOUS ID #	TYPE OF ACM	LOCATION	APPROXIMATE AMOUNT
H-01	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulation	Basement; Mechanical Room	6 locations
		Basement; Hallway	8 locations
		Basement; Kitchen	8 locations
		Basement; Tax Assessor Office Room 101	3 locations
		Basement; Large Court Clerk Office	2 locations
		Basement; Court Conference Room	12 locations
		Basement; File Room	2 locations
		Basement; concealed in pipe chase spaces servicing Restrooms, Kitchen and Slop Sink spaces (assumed)	40 locations (estimated)



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 9

HOMOGENEOUS ID #	TYPE OF ACM	LOCATION	APPROXIMATE AMOUNT
H-01	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulation (con't)	First Floor; concealed in pipe chase spaces servicing Restrooms and Slop Sink spaces (assumed)	35 locations (estimated)
H-26	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulated roofing drains	Attic; distributed throughout spaces (associated with roof drains)	10 locations
H-02, H-03	Light green marbled 12"x12" floor tile and associated black asphaltic mastic	Basement; Kitchen	360 sf
		Basement; Tax Assessor Office Room 101 (below carpet)	300 sf
		Basement; Tax Assessor Storage Room (below carpet)	130 sf
		Basement; Large Court Clerks Office (below carpeting)	530 sf
		Basement; Court Conference Room (below carpeting)	280 sf
		Basement; Court Conference Room Closet (below carpeting)	40 sf
		Basement; Hallway area outside Town Engineer Office (below carpet)	90 sf
		Basement; Town Engineer Office (below carpet)	100 sf
		Basement; Town Engineer Office Closet	15 sf



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 10

HOMOGENEOUS ID #	TYPE OF ACM	LOCATION	APPROXIMATE AMOUNT
H-02, H-03	Light green marbled 12"x12" floor tile and associated black asphaltic mastic (con't)	Basement; File Room Corridor (below carpet)	160 sf
		Basement; File Room	200 sf
		First Floor; Administrative Office Room 201 (below carpet)	310 sf
		First Floor; Administrator's Office (below carpet)	225 sf
		First Floor; Code Enforcement Office Room 203 (below carpet)	200 sf
		First Floor; Hallway behind CFO Office	40 sf
		First Floor; Tax Collector's Storage/Vault (below carpet)	160 sf
		First Floor; Hallway Closet near Clerk's Office	40 sf
		First Floor; Mail Room (below carpet)	160 sf
		First Floor; Conference Room near Mail Room (below carpet)	225 sf
		First Floor; Rear Hallway off Mail Room (below carpet)	80 sf
		First Floor; Closet off Rear Hallway	15 sf
H-13	Black asphaltic mastic associated with pink 12"x12" floor tile	Basement; Tax Assessor Office Room off Storage Room (below carpet)	300 sf



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 11

HOMOGENEOUS ID #	TYPE OF ACM	LOCATION	APPROXIMATE AMOUNT
H-13	Black asphaltic mastic associated with pink 12"x12" floor tile (con't)	Basement; Tax Assessor Small Office (below carpet)	175 sf
H-14, H-15	Tan 9"x9" floor tile and associated black asphaltic mastic	Basement; Stairwell Lobby	325 sf
		Basement; Hallways	790 sf
		Basement; Community Meeting Room (below carpet)	1,780 sf
		Basement; IT Room in Community Meeting Room (below carpet)	220 sf
		Basement; Server/Phone Room	50 sf
		Basement; Small IT Administrative Office (below carpet)	50 sf
		Basement; Large IT Administrative Office Room 105 (below carpet)	150 sf
H-16	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)	Basement; Court Conference Room	280 sf
		Basement; Court Conference Room Closet	40 sf
		Basement; Hallway area outside Town Engineer Office	90 sf
		Basement; Town Engineer Office	100 sf



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 12

HOMOGENEOUS ID #	TYPE OF ACM	LOCATION	APPROXIMATE AMOUNT
H-16	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing) (con't)	Basement; File Room Corridor (below carpet)	160 sf
		Basement; File Room	200 sf
		First Floor; Small Hallway by CFO Office	25 sf
		First Floor; Rear Hallway off Mail Room	80 sf
H-18	Black asphaltic carpet/remnant mastic	First Floor; Treasurer's Office (adhered to and below carpet)	680 sf
		First Floor; Small Hallway by CFO Office (adhered to and below carpet)	25 sf
		First Floor; CFO Office (adhered to and below carpet)	250 sf
-	Presumed asbestos-containing floor tiles and/or mastic	Basement; Court Clerk Office (below raise hardwood flooring system)	225 sf (estimated)
H-19	White acoustical layer of the plaster ceiling system	First Floor; Courtroom	1,400 sf
H-24	White cementitious door caulking compound	Exterior; associated with Main Entrance Doorway and Sidelights	Not quantified (estimated to be 40 linear feet)



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 13

Police Department Building – 808 Lacey Road

HOMOGENEOUS ID #	TYPE OF ACM	LOCATION	APPROXIMATE AMOUNT
H-01, H-02	Tan “multi-colored” marbled 12”x12” floor tile and associated black asphaltic mastic	Basement; Stairwell outside Explosives Room	140 sf
		Basement; Hallway	630 sf
		Basement; Detective Bureau (below carpet)	620 sf
		Basement; Interview Room off Office of Emergency Management (below carpet)	60 sf
		Basement; Records Room (below carpet)	300 sf
		Basement; Property Room Office (below carpet)	100 sf
		Basement; Evidence Rooms	300 sf
		Basement; Stairwell near Property Storage	110 sf
		First Floor; Records Office (below carpet)	340 sf
		First Floor; Intake Processing	200 sf
H-08	Black asphaltic mastic associated with grey marbled 12”x12” floor tile	First Floor; Closet off Squad Room	50 sf
		First Floor; Main Entranceway	100 sf
		First Floor; Lobby	200 sf



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 14

HOMOGENEOUS ID #	TYPE OF ACM	LOCATION	APPROXIMATE AMOUNT
H-08	Black asphaltic mastic associated with grey marbled 12"x12" floor tile (con't)	First Floor; Hallways (over ACM tan "multi-colored" marbled 12"x12" floor tile and associated black asphaltic mastic)	430 sf
		First Floor; Side Exit Alcove (over ACM tan "multi-colored" marbled 12"x12" floor tile and associated black asphaltic mastic)	20 sf
		First Floor; Hallway Closet	10 sf
		First Floor; Exit Alcove near Intake Processing	50 sf
		Interview Room No. 2 (below carpet)	80 sf
		First Floor; Slop Sink Closet	20 sf
		First Floor; Alcove Entrance in Dispatch	50 sf
H-11	Black asphaltic mastic associated with light green marbled 12"x12" floor tile	First Floor; Office of Administration Secretary's Office (below carpet)	160 sf
-	Presumed asbestos-containing floor tiles and/or mastic	Basement; Various spaces (present below hardwood flooring systems or raised platforms)	1,680 sf (estimated)

Comments:

1. The quantities above are estimated.
2. The survey did not address potential underground structures (such as drainage piping, etc.) that could be associated with the subject Building Structures.



3. Although the survey sought to address the potential presence of concealed suspect materials, the survey could not address localized, incidental suspect material (e.g. a patch plaster installed during a repair or renovation) if such material indeed exists.
4. An invasive survey where holes are made into all wall/ceiling cavities was not performed during this investigation due to site conditions and building conditions. Therefore, additional asbestos-containing materials (such as pipe/fitting insulation, foundation mastic, exterior wall mastic, etc.) may be uncovered during renovations/demolition activities which would require removal following the appropriate regulations. Please note that the additional costs for the removal and disposal of any unforeseen foundation vapor barrier/dampproofing at the site could be significant if identified at the Building Structures at the time of renovations/demolition.
5. As previously noted, observation of the interior side of the Building Structure's infrastructure was limited in places due to the presence of sheetrock wallboard, plaster wall and ceiling applications, wood paneling, newer-appearing flooring applications, etc. Note that there is a potential that concealed materials (such as additional plaster applications, piping runs, mastics, floor tiles, etc.) may be present in spaces not directly assessed at the time of our investigation due to the inability to damage certain materials for access. The Client should be aware that there is a possibility of these additional materials existing and this may increase any cost estimate fees significantly as it relates to any additional testing, removal and disposal at the time of demolition.
6. **As previously noted, this investigation did not include the roofing levels or roofing components associated with each Building Structure. We understand that these roofing materials may have been replaced within the last few years and we did not want to risk the integrity of the materials by conduction intrusive sampling. These materials should be assumed to be asbestos-containing until sampled to determine otherwise.**

5.2 Assessment

Assessment of the environmental hazard posed by the potential presence of ACM in a building lies in the ACM's fibrogenic potential (i.e., the likelihood that it will release fibers that may become airborne and subsequently be inhaled). Assessment of this fibrogenic potential lies in the consideration of these factors:

1. The type of condition of the ACM [i.e., type of material(s), their asbestos content(s), and their friability];
2. The location and status of the ACM relative to the present building use [i.e. its accessibility, exposed surface area, presence of physical damage, location relative to air streams, etc.]; and
3. The potential for change in the status of the ACM, such as might occur during demolition activity.

The cementitious pipe fitting insulation associated with the fibrous glass pipe insulation, acoustical layer of the plaster ceiling system and the 2'x4' "large scarred" suspended ceiling tile (with salmon backing) at the Municipal Building are friable materials that would be expected to act as source of fiber release if damaged. Generally, these asbestos-containing materials at the Municipal Building was observed to exist in satisfactory condition.



The raw edges and surfaces of damaged, friable ACM are far more likely to become sources of active fiber release because of the loss of mechanical stability of the ACM at the damaged surface. Persons occupying the given spaces could be exposed to short duration, yet potentially significant "bursts" of airborne fibers due to contact with the damaged locations. Prolonged environmental exposure to airborne fibers could occur if repeated disturbances occur or if deterioration of the material occurs, which could lead to a build-up of loose, "re-entrainable" asbestos fibers on surfaces in the building spaces involved.

The floor tiles and associated mastics and door caulking compounds at the Building Structures are considered to be durable "non-friable" materials not likely to act as sources of fiber release under normal usage conditions.

5.3 Recommendations

It is recommended that asbestos-containing materials be removed prior to any scheduled significant renovations or demolition of the Building Structures as required by applicable Codes.

5.4 Regarding Renovation/Demolition Plans

As noted previously, we understand that the Client is planning for the potential for significant renovations or demolition of the overall Building Structures.

Actions taken in regards to the ACM should be in compliance with any applicable federal, state, and local regulations or codes that may apply to handling, disposal, and contracting. Presently, general renovation and disposal operations at both publicly and privately owned and operated facilities in New Jersey are regulated by the federal USEPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) Asbestos Standard (40 CFR 61, Subpart M) and the New Jersey Department of Environmental Protection (NJDEP) waste hauling and disposal regulations (N.J.A.C. 7:26-1, et. seq.). Furthermore, the New Jersey Administrative Code promulgated pursuant to the New Jersey Asbestos Licenses and Permits regulations (N.J.A.C. 8:60 and 12:120) requires that only contractors licensed by the Department of Labor be retained to perform asbestos abatement work. Private contractors who may be retained by a private building owner and the building owner itself, are under jurisdiction of the Occupational Safety and Health Administration (OSHA) asbestos regulations (29 CFR 1910.1001 and 29 CFR 1926.1101, for the general and construction industries, respectively). New Jersey public employers are subject to substantially the same OSHA standard by virtue of its inclusion and expansion as part of the New Jersey Public Employees Occupational Safety and Health (PEOSH) regulations.

The abovementioned NESHAP asbestos standard excludes management of certain asbestos-containing material of a persistent non-friable nature (e.g., asphaltic roofing materials, sealants and asbestos-cement materials that could remain non-friable during demolition activities) from its general renovation and demolition requirements. Present interpretation of the New Jersey Administrative Code cited above is more stringent, however. Therefore, removal of all of the asbestos-containing materials identified herein as regulated waste is indicated.

The New Jersey Administrative code exempts handling of asbestos-containing asphaltic roofing materials from its contractor-licensing requirements specifically for renovation projects only.



Because the subject building is owned by a New Jersey local municipal government, asbestos abatement activities at this site are regulated by the New Jersey Asbestos Hazard Abatement Subcode (N.J.A.C. 5:23-8, the "Subcode"). The Subcode imposes procedural and organizational requirements on asbestos abatement projects. Among these are the requirements that each abatement project be reviewed and monitored by an authorized Asbestos Safety Control Monitor (ASCM) firm (such as T&M) in accordance with Subcode requirements.

Based upon our understanding of the significant renovations or demolition planned for the Building Structures, we expect that removal of all interior and exterior ACM identified throughout the Building Structures will ultimately be necessary.

5.5 Asbestos Abatement Cost Estimate

A cost estimate has been prepared for the asbestos abatement which may be necessitated by any anticipated renovation/demolition activities. The Project Scope is defined as the removal of all ACM identified throughout the interior and exterior of the subject Building Structure.

The cost estimate for the asbestos activities are presented with two (2) components, those being:

"Construction Costs", which is meant to include the contracting fees associated with retaining a contractor or contractors to perform the asbestos abatement discussed, including all labor, material, disposal, and permitting and licensing costs.

"Engineering/Monitoring Fees", which is meant to include fees associated with the preparation of technical specifications for contractor selection, and monitoring of the contractor's activities by a qualified asbestos consultant.

The following assumptions have been made in the development of the cost estimate for the Municipal Building:

1. The abatement contractor would have uninterrupted access to the site following mobilization for the project for a period of no more thirty-five (35) business-days for the Municipal Building.
2. The Building Structure would remain unoccupied of staff and personnel for the duration of the asbestos abatement project as defined in the Subcode.
3. No restoration work would be included in the scope of work.
4. The abatement contractor would be responsible for demolition of non-asbestos-containing materials as necessary to access concealed ACM.
5. Potential asbestos-containing roofing materials are not included in the overall cost estimate.



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 18

The cost estimate, presented on the “high end” of anticipated fees for contractor and engineering services, is as follows:

Construction Cost	Engineering/ Monitoring Fees	Total Cost
\$250,000.00	\$75,000.00	\$325,000.00

The following assumptions have been made in the development of the cost estimate for the Police Department Building:

1. The abatement contractor would have uninterrupted access to the site following mobilization for the project for a period of no more fifteen (15) business-days for the Police Department Building.
2. The Building Structure would remain unoccupied of staff and personnel for the duration of the asbestos abatement project as defined in the Subcode.
3. No restoration work would be included in the scope of work.
4. The abatement contractor would be responsible for demolition of non-asbestos-containing materials as necessary to access concealed ACM.
5. Potential asbestos-containing roofing materials are not included in the overall cost estimate.

The cost estimate, presented on the “high end” of anticipated fees for contractor and engineering services, is as follows:

Construction Cost	Engineering/ Monitoring Fees	Total Cost
\$75,000.00	\$35,000.00	\$110,000.00



March 27, 2023
LACY-00097

**Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ**

APPENDIX A

**RESULTS OF ASBESTOS CONTENT ANALYSES
INCLUDING LABORATORY CERTIFICATES OF ANALYSIS**

Notes: "Chrysotile" = chrysotile asbestos
"ND" = no asbestos detected in sample
"***" = NOB sample analyzed by TEM
"NA/PS" = not analyzed/positive stop. Laboratory was instructed to stop analysis after the first positive result in any homogeneous group of samples is recorded. In accordance with USEPA protocol, a positive result indicates that the homogeneous group is considered to be asbestos-containing, and further analysis is not necessary.

(The date of sample collection is indicated as the central group of digits in the Sample Number.)

HOMOGENOUS				
SAMPLE NO.	MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
<u>Municipal Building – 818 Lacey Road</u>				
LACY-00097-020623-01	H-01	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulation	Basement; Kitchen	2.0% Chrysotile
LACY-00097-020623-02	H-02	Light green marbled 12"x12" floor tile	Basement, Kitchen	3.0% Chrysotile
LACY-00097-020623-03	H-03	Black asphaltic mastic associated with light green marbled 12"x12" floor tile	Basement, Kitchen	8.0% Chrysotile
LACY-00097-020623-04	H-02	Light green marbled 12"x12" floor tile	Basement, Kitchen	NA/PS
LACY-00097-020623-05	H-03	Black asphaltic mastic associated with light green marbled 12"x12" floor tile	Basement, Kitchen	NA/PS



March 27, 2023
LACY-00097

Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020623-06	H-04	White 2'x4' "recessed and square patterned" suspended ceiling tile	Basement, Kitchen	ND
LACY-00097-020623-07	H-04	White 2'x4' "recessed and square patterned" suspended ceiling tile	Basement, Kitchen	ND
LACY-00097-020623-08	H-05	White 2'x4' "pitted and scared" suspended ceiling tile	Basement; Stairwell Lobby	ND
LACY-00097-020623-09	H-06	White veneer layer of the plaster wall and ceiling system	Basement; Men's Restroom	ND
LACY-00097-020623-10	H-07	Grey undercoat layer of the plaster wall and ceiling system	Basement; Men's Restroom	ND
LACY-00097-020623-11	H-08	White sheetrock wallboard	Basement; Men's Restroom	ND
LACY-00097-020623-12	H-09	White joint compound associated with white sheetrock wallboard	Basement; Men's Restroom	ND
LACY-00097-020623-13	H-10	White 2'x2' "sheetrock" suspended ceiling tile	Basement; Men's Restroom	ND
LACY-00097-020623-14	H-10	White 2'x2' "sheetrock" suspended ceiling tile	Basement; Women's Restroom	ND
LACY-00097-020623-15	H-01	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulation	Basement; Mechanical Room	NA/PS
LACY-00097-020623-16	H-01	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulation	Basement; Hallway outside Men's Restroom	NA/PS



March 27, 2023
LACY-00097

**Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ**

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020623-17	H-11	White 2'x4' "pitted and large scared" suspended ceiling tile	Basement; Tax Assessor Room 101	ND
LACY-00097-020623-18	H-11	White 2'x4' "pitted and large scared" suspended ceiling tile	Basement, Tax Assessor Room 101 Storage	ND
LACY-00097-020623-19	H-12	Pink 12"x12" floor tile	Basement, Tax Assessor Office Room off Storage Room	ND**
LACY-00097-020623-20	H-13	Black asphaltic mastic associated with pink 12"x12" floor tile	Basement, Tax Assessor Office Room off Storage Room	7.0% Chrysotile
LACY-00097-020623-21	H-14	Tan 9"x9" floor tile	Basement; Large IT Administrative Office Room 105	3.0% Chrysotile
LACY-00097-020623-22	H-15	Black asphaltic mastic associated with tan 9"x9" floor tile	Basement; Large IT Administrative Office Room 105	6.0% Chrysotile
LACY-00097-020623-23	H-14	Tan 9"x9" floor tile	Basement; Large IT Administrative Office Room 105	NA/PS
LACY-00097-020623-24	H-15	Black asphaltic mastic associated with tan 9"x9" floor tile	Basement; Large IT Administrative Office Room 105	NA/PS
LACY-00097-020623-25	H-16	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)	Basement; Court Conference Room	2.0% Chrysotile <1.0% Amosite
LACY-00097-020623-26	H-16	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)	Basement; Court Conference Room	NA/PS



March 27, 2023
LACY-00097

**Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ**

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020623-27	H-17	White 2'x2' "smooth and recessed" suspended ceiling tile	First Floor; Room 201	ND
LACY-00097-020623-28	H-17	White 2'x2' "smooth and recessed" suspended ceiling tile	First Floor; Room 201	ND
LACY-00097-020623-29	H-18	Black asphaltic carpet/remnant mastic	First Floor; Treasurers Office	8.0% Chrysotile
LACY-00097-020623-30	H-18	Black asphaltic carpet/remnant mastic	First Floor; Treasurers Office	NA/PS
LACY-00097-020623-31	H-06	White veneer layer of the plaster wall and ceiling system	First Floor; Treasurers Office	ND
LACY-00097-020623-32	H-07	Grey undercoat layer of the plaster wall and ceiling system	First Floor; Treasurers Office	ND
LACY-00097-020623-33	H-06	White veneer layer of the plaster wall and ceiling system	First Floor; Hallway outside Women's Restroom	ND
LACY-00097-020623-34	H-07	Grey undercoat layer of the plaster wall and ceiling system	First Floor; Hallway outside Women's Restroom	ND
LACY-00097-020623-35	H-06	White veneer layer of the plaster wall and ceiling system	First Floor; Room 203	ND
LACY-00097-020623-36	H-07	Grey undercoat layer of the plaster wall and ceiling system	First Floor; Room 203	ND
LACY-00097-020623-37	H-06	White veneer layer of the plaster wall and ceiling system	First Floor; Hallway outside Tax Office	ND



March 27, 2023
LACY-00097

**Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ**

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020623-38	H-07	Grey undercoat layer of the plaster wall and ceiling system	First Floor; Hallway outside Tax Office	ND
LACY-00097-020623-39	H-06	White veneer layer of the plaster wall and ceiling system	First Floor; Conference Room off Mail Room	ND
LACY-00097-020623-40	H-07	Grey undercoat layer of the plaster wall and ceiling system	First Floor; Conference Room off Mail Room	ND
LACY-00097-020623-41	H-06	White veneer layer of the plaster wall and ceiling system	First Floor; Mail Room	ND
LACY-00097-020623-42	H-07	Grey undercoat layer of the plaster wall and ceiling system	First Floor; Mail Room	ND
LACY-00097-020623-43	H-12	Pink 12"x12" floor tile	Basement, Tax Assessor Office Room off Storage Room	ND
LACY-00097-020623-44	H-13	Black asphaltic mastic associated with pink 12"x12" floor tile	Basement, Tax Assessor Office Room off Storage Room	NA/PS
LACY-00097-020623-45	H-19	White acoustical layer of the plaster ceiling system	First Floor; Courtroom	2.0% Chrysotile
LACY-00097-020623-46	H-20	Grey cementitious undercoat layer of the acoustical plaster ceiling system	First Floor; Courtroom	ND
LACY-00097-020623-47	H-19	White acoustical layer of the plaster ceiling system	First Floor; Courtroom	NA/PS
LACY-00097-020623-48	H-20	Grey cementitious undercoat layer of the acoustical plaster ceiling system	First Floor; Courtroom	ND



March 27, 2023
LACY-00097

Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020623-49	H-19	White acoustical layer of the plaster ceiling system	First Floor; Courtroom	NA/PS
LACY-00097-020623-50	H-20	Grey cementitious undercoat layer of the acoustical plaster ceiling system	First Floor; Courtroom	ND
LACY-00097-020623-51	H-19	White acoustical layer of the plaster ceiling system	First Floor; Courtroom	NA/PS
LACY-00097-020623-52	H-20	Grey cementitious undercoat layer of the acoustical plaster ceiling system	First Floor; Courtroom	ND
LACY-00097-020623-53	H-19	White acoustical layer of the plaster ceiling system	First Floor; Courtroom	NA/PS
LACY-00097-020623-54	H-20	Grey cementitious undercoat layer of the acoustical plaster ceiling system	First Floor; Courtroom	ND
LACY-00097-020623-55	H-08	White sheetrock wallboard	Basement; Closet in Community Meeting Room	ND
LACY-00097-020623-56	H-09	White joint compound associated with white sheetrock wallboard	Basement; Closet in Community Meeting Room	ND
LACY-00097-020623-57	H-21	White 2'x2' "textured and recessed" suspended ceiling tile	First Floor; Main Entrance Foyer	ND
LACY-00097-020623-58	H-21	White 2'x2' "textured and recessed" suspended ceiling tile	First Floor; Main Entrance Foyer	ND
LACY-00097-020623-59	H-22	White textured finish coat of the ceiling plaster system	First Floor; Main Entrance Foyer	ND



March 27, 2023
LACY-00097

Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020623-60	H-23	Grey cementitious undercoat layer of the ceiling plaster system	First Floor; Main Entrance Foyer	ND
LACY-00097-020623-61	H-22	White textured finish coat of the ceiling plaster system	First Floor; Main Entrance Foyer	ND
LACY-00097-020623-62	H-23	Grey cementitious undercoat layer of the ceiling plaster system	First Floor; Main Entrance Foyer	ND
LACY-00097-020623-63	H-22	White textured finish coat of the ceiling plaster system	First Floor; Main Entrance Foyer	ND
LACY-00097-020623-64	H-23	Grey cementitious undercoat layer of the ceiling plaster system	First Floor; Main Entrance Foyer	ND
LACY-00097-020623-65	H-24	White cementitious door caulking compound	Exterior; Main Front Entrance Doorway	3.0% Chrysotile
LACY-00097-020623-66	H-24	White cementitious door caulking compound	Exterior; Main Front Entrance Doorway	NA/PS
LACY-00097-020623-67	H-25	Brown/grey window caulking compound	Exterior; Eastside	ND**
LACY-00097-020623-68	H-25	Brown/grey window caulking compound	Exterior; Westside	ND
LACY-00097-020623-69	H-26	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulated roofing drains	Attic; off Roof Drain lines	2.0% Chrysotile
LACY-00097-020623-70	H-26	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulated roofing drains	Attic; off Roof Drain lines	NA/PS



March 27, 2023
LACY-00097

**Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ**

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020623-71	H-26	Grey cementitious pipe fitting insulation associated with fibrous glass pipe insulated roofing drains	Attic; off Roof Drain lines	NA/PS
<u>Police Department Building – 808 Lacey Road</u>				
LACY-00097-020723-01	H-01	Tan “multi-colored” marbled 12”x12” floor tile	Basement; Hallway	3.0% Chrysotile
LACY-00097-020723-02	H-02	Black asphaltic mastic associated with tan “multi-colored” marbled 12”x12” floor tile	Basement; Hallway	ND
LACY-00097-020723-03	H-01	Tan “multi-colored” marbled 12”x12” floor tile	Basement; Hallway	NA/PS
LACY-00097-020723-04	H-02	Black asphaltic mastic associated with tan “multi-colored” marbled 12”x12” floor tile	Basement; Hallway	ND
LACY-00097-020723-05	H-01	Tan “multi-colored” marbled 12”x12” floor tile	Basement; Detective Bureau	NA/PS
LACY-00097-020723-06	H-02	Black asphaltic mastic associated with tan “multi-colored” marbled 12”x12” floor tile	Basement; Detective Bureau	5.0% Chrysotile
LACY-00097-020723-07	H-03, H-04	White 2’x2’ “smooth and recessed” suspended ceiling tile	Basement; Detective Bureau	ND
LACY-00097-020723-08	H-03, H-04	White 2’x2’ “smooth and recessed” suspended ceiling tile	Basement; Detective Bureau	ND



March 27, 2023
LACY-00097

**Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ**

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020723-09	H-05	White sheetrock wallboard	Basement; Records Room	ND
LACY-00097-020723-10	H-06	White joint compound associated with white sheetrock wallboard	Basement; Records Room	ND
LACY-00097-020723-11	H-07	Grey marbled 12"x12" floor tile	First Floor; Main Entranceway	ND**
LACY-00097-020723-12	H-08	Black asphaltic mastic associated with grey marbled 12"x12" floor tile	First Floor; Main Entranceway	3.0% Chrysotile
LACY-00097-020723-13	H-07	Grey marbled 12"x12" floor tile	First Floor; First Floor Hallway	ND
LACY-00097-020723-14	H-08	Black asphaltic mastic associated with grey marbled 12"x12" floor tile	First Floor; First Floor Hallway	NA/PS
LACY-00097-020723-15	H-05	White sheetrock wallboard	First Floor; Front Lobby	ND
LACY-00097-020723-16	H-06	White joint compound associated with white sheetrock wallboard	First Floor; Front Lobby	ND
LACY-00097-020723-17	H-09	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)	First Floor; Stairwell adjacent to Front Lobby	ND
LACY-00097-020723-18	H-10	Light green marbled 12"x12" floor tile	First Floor; Office of Administration	Trace Chrysotile**
LACY-00097-020723-19	H-11	Black asphaltic mastic associated with light green marbled 12"x12" floor tile	First Floor; Office of Administration	4.0% Chrysotile



March 27, 2023
LACY-00097

Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ

SAMPLE NO.	HOMOGENOUS MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020723-20	H-12	White 2'x4' "pitted and scarred 2'x2' patterned" recessed suspended ceiling tile	First Floor; Police Chief's Office	ND
LACY-00097-020723-21	H-12	White 2'x4' "pitted and scarred 2'x2' patterned" recessed suspended ceiling tile	First Floor; Police Chief's Office	ND
LACY-00097-020723-22	H-10	Light green marbled 12"x12" floor tile	First Floor; Office of Administration	ND
LACY-00097-020723-23	H-11	Black asphaltic mastic associated with light green marbled 12"x12" floor tile	First Floor; Office of Administration	NA/PS
LACY-00097-020723-24	H-13	White 2'x4' "pitted and scarred" suspended ceiling tile	First Floor; Interview Room No. 1	ND
LACY-00097-020723-25	H-13	White 2'x4' "pitted and scarred" suspended ceiling tile	First Floor; Interview Room No. 1	ND
LACY-00097-020723-26	H-09	White 2'x4' "large scarred" suspended ceiling tile (with salmon backing)	First Floor; Side Exit Alcove	ND
LACY-00097-020723-27	H-14	Black slate/composite window sill	First Floor; Patrol Lieutenants Office	ND
LACY-00097-020723-28	H-14	Black slate/composite window sill	First Floor; Police Chief's Office	ND
LACY-00097-020723-29	H-15	Brown rubberized door caulking compound	Exterior; Front	ND**
LACY-00097-020723-30	H-15	Brown rubberized door caulking compound	Exterior; Rear	ND



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

HOMOGENOUS

SAMPLE NO.	MATERIAL ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
LACY-00097-020723-31	H-16	Brown rubberized window caulking compound	Exterior; East	ND**
LACY-00097-020723-32	H-16	Brown rubberized window caulking compound	Exterior; West	ND



Please Reply To:

AmeriSci New York

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

LABORATORY ELECTRONIC TRANSMITTAL

To: Kevin Burns
T&M Associates

Fax #:

Email: kburns@tandmassociates.com

From: Ivan H. Reyes
AmeriSci Job #: 223021594
Subject: PLM 5 day Results
Client Project: LACY-00097; Lacey Township;
Municipal Building

Date: Monday, February 13, 2023

Time: 08:25:00

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

Certified Analysis Service 24 Hours A Day • 7 Days A Week Competitive Prices
visit our web site - www.amerisci.com

Boston • Los Angeles • New York • Richmond

**AmeriSci New York**

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

T&M Associates
Attn: Kevin Burns
11 Tindall Road

Middletown, NJ 07748

Date Received 02/08/23 **AmeriSci Job #** 223021594
Date Examined 02/12/23 **P.O. #**
Page 1 **of** 13
RE: LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-01 H01	223021594-01	Yes	2%
Location: Basement, Break Room - Grey Cementitious Pipe Fitting Insulation Assoc. W/ Fibrous Glass Pipe Insulation			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Cellulose Trace, Fibrous glass 30%, Non-fibrous 68%			
LACY-00097-020623-02 H02	223021594-02	Yes	3%
Location: Basement, Break Room - Light Green Marbled 12 x 12 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Lt. Green, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97%			
LACY-00097-020623-03 H03	223021594-03	Yes	8%
Location: Basement, Break Room - Black Asphaltic Mastic Assoc. W/ Light Green Marbled 12 x 12 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 8.0 % Other Material: Cellulose Trace, Non-fibrous 92%			
LACY-00097-020623-04 H02	223021594-04		NA/PS
Location: Basement, Break Room - Light Green Marbled 12 x 12 Floor Tile			
Analyst Description: Bulk Material Asbestos Types: Other Material:			
LACY-00097-020623-05 H03	223021594-05		NA/PS
Location: Basement, Break Room - Black Asphaltic Mastic Assoc. W/ Light Green Marbled 12 x 12 Floor Tile			
Analyst Description: Bulk Material Asbestos Types: Other Material:			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-06 H04	223021594-06	No	NAD
Location: Basement, Break Room - White 2 x 4 Recessed Square Pattern Suspended Ceiling Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45%, Fibrous glass 35%, Non-fibrous 20%			
LACY-00097-020623-07 H04	223021594-07	No	NAD
Location: Basement, Break Room - White 2 x 4 Recessed Square Pattern Suspended Ceiling Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45%, Fibrous glass 35%, Non-fibrous 20%			
LACY-00097-020623-08 H05	223021594-08	No	NAD
Location: Basement, Front Foyer - White 2 x 4 Pitted And Scarred Suspended Ceiling Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 40%, Fibrous glass 30%, Non-fibrous 30%			
LACY-00097-020623-09 H06	223021594-09	No	NAD
Location: Basement, Men's Room - White Veneer Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
LACY-00097-020623-10 H07	223021594-10	No	NAD
Location: Basement, Men's Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-11 H08	223021594-11	No	NAD
Location: Basement, Men's Room - White Sheetrock / Wallboard			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White/Brown, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 12%, Non-fibrous 88%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-12 H09	223021594-12	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-13 H10	223021594-13	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White/Brown, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10%, Fibrous glass 2%, Non-fibrous 88%			
LACY-00097-020623-14 H10	223021594-14	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White/Brown, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 12%, Fibrous glass 2%, Non-fibrous 86%			
LACY-00097-020623-15 H01	223021594-15		NA/PS
Location: Basement, Mechanical Room - Grey Cementitious Pipe Fitting Insulation Assoc. W/ Fibrous Glass Pipe Insulation Analyst Description: Bulk Material Asbestos Types: Other Material:			
LACY-00097-020623-16 H01	223021594-16		NA/PS
Location: Basement, Hallway Outside Men's Room - Grey Cementitious Pipe Fitting Insulation Assoc. W/ Fibrous Glass Pipe Insulation Analyst Description: Bulk Material Asbestos Types: Other Material:			
LACY-00097-020623-17 H11	223021594-17	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Location: Basement, Room 101 - White 2 x 4 Pitted And Large Scarred Suspended Ceiling Tile Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 45%, Fibrous glass 30%, Non-fibrous 25%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-18 H11	223021594-18	No	NAD
Location: Basement, Room 101 Storage - White 2 x 4 Pitted And Large Scarred Suspended Ceiling Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 50%, Fibrous glass 25%, Non-fibrous 25%			
LACY-00097-020623-19 H12	223021594-19	No	NAD
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Pink 12 x 12 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
LACY-00097-020623-20 H13	223021594-20	Yes	7%
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Black Asphaltic Mastic Assoc. W/ Pink 12 x 12 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 7.0 %			
Other Material: Cellulose Trace, Non-fibrous 93%			
LACY-00097-020623-21 H14	223021594-21	Yes	3%
Location: Basement, Network Room 105 - Tan 9 x 9 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 3.0 %			
Other Material: Non-fibrous 97%			
LACY-00097-020623-22 H15	223021594-22	Yes	6%
Location: Basement, Network Room 105 - Black Asphaltic Mastic Assoc. W/ Tan 9 x 9 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 6.0 %			
Other Material: Cellulose Trace, Non-fibrous 94%			
LACY-00097-020623-23 H14	223021594-23		NA/PS
Location: Basement, Network Room 105 - Tan 9 x 9 Floor Tile			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-24 H15	223021594-24		NA/PS
Location: Basement, Network Room 105 - Black Asphaltic Mastic Assoc. W/ Tan 9 x 9 Floor Tile			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
LACY-00097-020623-25 H16	223021594-25	Yes	2%
Location: Basement, Court Conference Room - 2 x 4 Large Scarred (W/ Salmon Backing) Suspended Ceiling Tile			
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.0 %, Amosite <1. %			
Other Material: Fibrous glass 70%, Non-fibrous 28%			
LACY-00097-020623-26 H16	223021594-26		NA/PS
Location: Basement, Court Conference Room - 2 x 4 Large Scarred (W/ Salmon Backing) Suspended Ceiling Tile			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
LACY-00097-020623-27 H17	223021594-27	No	NAD
Location: 1st Floor, Room 201 - White 2 x 2 Smooth And Recessed Suspended Ceiling Tile			
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45%, Fibrous glass 30%, Non-fibrous 25%			
LACY-00097-020623-28 H17	223021594-28	No	NAD
Location: 1st Floor, Treasurer's Office - White 2 x 2 Smooth And Recessed Suspended Ceiling Tile			
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45%, Fibrous glass 30%, Non-fibrous 25%			
LACY-00097-020623-29 H06	223021594-29	No	NAD
Location: 1st Floor, Treasurer's Office - White Veneer Layer Of Ceiling / Wall Plaster System			
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-30 H07	223021594-30	No	NAD
Location: 1st Floor, Treasurer's Office - Grey Cementitious Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-31 H18	223021594-31	Yes	8%
Location: 1st Floor, Treasurer's Office - Black Asphaltic Carpet / Remnant Mastic			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 8.0 %			
Other Material: Cellulose Trace, Non-fibrous 92%			
LACY-00097-020623-32 H18	223021594-32		NA/PS
Location: 1st Floor, Treasurer's Office - Black Asphaltic Carpet / Remnant Mastic			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
LACY-00097-020623-33 H06	223021594-33	No	NAD
Location: 1st Floor, Hallway By Women's Room - White Veneer Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
LACY-00097-020623-34 H07	223021594-34	No	NAD
Location: 1st Floor, Hallway By Women's Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-35 H06	223021594-35	No	NAD
Location: 1st Floor, Room 203 - White Veneer Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-36 H07	223021594-36	No	NAD
Location: 1st Floor, Room 203 - Grey Cementitious Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-37 H06	223021594-37	No	NAD
Location: 1st Floor, Hallway By Tax Office - White Veneer Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
LACY-00097-020623-38 H07	223021594-38	No	NAD
Location: 1st Floor, Hallway By Tax Office - Grey Cementitious Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-39 H06	223021594-39	No	NAD
Location: 1st Floor, Conference Room Off Mail Room - White Veneer Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
LACY-00097-020623-40 H07	223021594-40	No	NAD
Location: 1st Floor, Conference Room Off Mail Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-41 H06	223021594-41	No	NAD
Location: 1st Floor, Mail Room - White Veneer Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-42 H07	223021594-42	No	NAD
Location: 1st Floor, Mail Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-43 H12	223021594-43	No	NAD
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Pink 12 x 12 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
LACY-00097-020623-44 H13	223021594-44		NA/PS
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Black Asphaltic Mastic Assoc. W/ Pink 12 x 12 Floor Tile			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
LACY-00097-020623-45 H19	223021594-45	Yes	2%
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Cellulose Trace, Non-fibrous 98%			
LACY-00097-020623-46 H20	223021594-46	No	NAD
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-47 H19	223021594-47		NA/PS
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-48 H20	223021594-48	No	NAD
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System		(by CVES) by Ivan H. Reyes on 02/12/23	
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-49 H19	223021594-49		NA/PS
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
LACY-00097-020623-50 H20	223021594-50	No	NAD
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System		(by CVES) by Ivan H. Reyes on 02/12/23	
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-51 H19	223021594-51		NA/PS
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
LACY-00097-020623-52 H20	223021594-52	No	NAD
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System		(by CVES) by Ivan H. Reyes on 02/12/23	
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-53 H19	223021594-53		NA/PS
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-54 H20	223021594-54	No	NAD
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-55 H08	223021594-55	No	NAD
Location: Basement, Closet In Community Room - White Sheetrock / Wallboard			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White/Brown, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15%, Non-fibrous 85%			
LACY-00097-020623-56 H09	223021594-56	No	NAD
Location: Basement, Closet In Community Room - White Joint Compound Assoc. W/ White Sheetrock / Wallboard			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020623-57 H21	223021594-57	No	NAD
Location: 1st Floor, Foyer - White 2 x 2 Textured And Recessed Suspended Ceiling Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 5%, Fibrous glass 70%, Non-fibrous 25%			
LACY-00097-020623-58 H21	223021594-58	No	NAD
Location: 1st Floor, Foyer - White 2 x 2 Textured And Recessed Suspended Ceiling Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 5%, Fibrous glass 70%, Non-fibrous 25%			
LACY-00097-020623-59 H22	223021594-59	No	NAD
Location: 1st Floor, Foyer - White Textured Finish Coat Of Ceiling Plaster System			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-60 H23 Location: 1st Floor, Foyer - Grey Cementitious Undercoat Layer Of Ceiling Plaster System Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%	223021594-60	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
LACY-00097-020623-61 H22 Location: 1st Floor, Foyer - White Textured Finish Coat Of Ceiling Plaster System Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%	223021594-61	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
LACY-00097-020623-62 H23 Location: 1st Floor, Foyer - Grey Cementitious Undercoat Layer Of Ceiling Plaster System Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%	223021594-62	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
LACY-00097-020623-63 H22 Location: 1st Floor, Foyer - White Textured Finish Coat Of Ceiling Plaster System Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%	223021594-63	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
LACY-00097-020623-64 H23 Location: 1st Floor, Foyer - Grey Cementitious Undercoat Layer Of Ceiling Plaster System Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%	223021594-64	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
LACY-00097-020623-65 H24 Location: Exterior, Front Door - White Cementitious Door Caulking Compound Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97%	223021594-65	Yes	3% (by CVES) by Ivan H. Reyes on 02/12/23

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020623-66 H24	223021594-66 Location: Exterior, Front Door - White Cementitious Door Caulking Compound		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
LACY-00097-020623-67 H25	223021594-67 Location: Exterior (East) - Brown / Grey Window Caulking Compound	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Brown/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020623-68 H25	223021594-68 Location: Exterior (West) - Brown / Grey Window Caulking Compound	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Brown/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020623-69 H26	223021594-69 Location: Attic Space - Grey Cementitious Pipe Fitting Assoc. W/ Fibrous Glass Pipe Insulation On Roof Drains	Yes	2% (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Cellulose Trace, Fibrous glass 25%, Non-fibrous 73%			
LACY-00097-020623-70 H26	223021594-70 Location: Attic Space - Grey Cementitious Pipe Fitting Assoc. W/ Fibrous Glass Pipe Insulation On Roof Drains		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
LACY-00097-020623-71 H26	223021594-71 Location: Attic Space - Grey Cementitious Pipe Fitting Assoc. W/ Fibrous Glass Pipe Insulation On Roof Drains		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Municipal Building

Reporting Notes:

Analyzed by: Ivan H. Reyes

Date: 2/12/2023



Reviewed by: Feyza Gungor



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229915, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

_____END OF REPORT_____

Table I
Summary of Bulk Asbestos Analysis Results
 LACY-00097; Lacey Township; Municipal Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	LACY-00097-020623-01	H01	---	---	---	---	Chrysotile 2.0	NA
Location: Basement, Break Room - Grey Cementitious Pipe Fitting Insulation Assoc. W/ Fibrous Glass Pipe Insulation								
02	LACY-00097-020623-02	H02	---	---	---	---	Chrysotile 3.0	NA
Location: Basement, Break Room - Light Green Marbled 12 x 12 Floor Tile								
03	LACY-00097-020623-03	H03	---	---	---	---	Chrysotile 8.0	NA
Location: Basement, Break Room - Black Asphaltic Mastic Assoc. W/ Light Green Marbled 12 x 12 Floor Tile								
04	LACY-00097-020623-04	H02	---	---	---	---	NA/PS	NA
Location: Basement, Break Room - Light Green Marbled 12 x 12 Floor Tile								
05	LACY-00097-020623-05	H03	---	---	---	---	NA/PS	NA
Location: Basement, Break Room - Black Asphaltic Mastic Assoc. W/ Light Green Marbled 12 x 12 Floor Tile								
06	LACY-00097-020623-06	H04	---	---	---	---	NAD	NA
Location: Basement, Break Room - White 2 x 4 Recessed Square Pattern Suspended Ceiling Tile								
07	LACY-00097-020623-07	H04	---	---	---	---	NAD	NA
Location: Basement, Break Room - White 2 x 4 Recessed Square Pattern Suspended Ceiling Tile								
08	LACY-00097-020623-08	H05	---	---	---	---	NAD	NA
Location: Basement, Front Foyer - White 2 x 4 Pitted And Scarred Suspended Ceiling Tile								
09	LACY-00097-020623-09	H06	---	---	---	---	NAD	NA
Location: Basement, Men's Room - White Veneer Layer Of Ceiling / Wall Plaster System								
10	LACY-00097-020623-10	H07	---	---	---	---	NAD	NA
Location: Basement, Men's Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System								
11	LACY-00097-020623-11	H08	---	---	---	---	NAD	NA
Location: Basement, Men's Room - White Sheetrock / Wallboard								
12	LACY-00097-020623-12	H09	---	---	---	---	NAD	NA
Location: Basement, Men's Room - White Joint Compound Assoc. W/ White Sheetrock / Wallboard								
13	LACY-00097-020623-13	H10	---	---	---	---	NAD	NA
Location: Basement, Men's Room - White Sheetrock 2 x 2 Suspended Ceiling Tile								
14	LACY-00097-020623-14	H10	---	---	---	---	NAD	NA
Location: Basement, Women's Room - White Sheetrock 2 x 2 Suspended Ceiling Tile								
15	LACY-00097-020623-15	H01	---	---	---	---	NA/PS	NA
Location: Basement, Mechanical Room - Grey Cementitious Pipe Fitting Insulation Assoc. W/ Fibrous Glass Pipe Insulation								
16	LACY-00097-020623-16	H01	---	---	---	---	NA/PS	NA
Location: Basement, Hallway Outside Men's Room - Grey Cementitious Pipe Fitting Insulation Assoc. W/ Fibrous Glass Pipe Insulation								

Table I
Summary of Bulk Asbestos Analysis Results
 LACY-00097; Lacey Township; Municipal Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	LACY-00097-020623-17	H11	---	---	---	---	NAD	NA
Location: Basement, Room 101 - White 2 x 4 Pitted And Large Scarred Suspended Ceiling Tile								
18	LACY-00097-020623-18	H11	---	---	---	---	NAD	NA
Location: Basement, Room 101 Storage - White 2 x 4 Pitted And Large Scarred Suspended Ceiling Tile								
19	LACY-00097-020623-19	H12	0.194	18.4	57.6	24.0	NAD	NAD
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Pink 12 x 12 Floor Tile								
20	LACY-00097-020623-20	H13	---	---	---	---	Chrysotile 7.0	NA
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Black Asphaltic Mastic Assoc. W/ Pink 12 x 12 Floor Tile								
21	LACY-00097-020623-21	H14	---	---	---	---	Chrysotile 3.0	NA
Location: Basement, Network Room 105 - Tan 9 x 9 Floor Tile								
22	LACY-00097-020623-22	H15	---	---	---	---	Chrysotile 6.0	NA
Location: Basement, Network Room 105 - Black Asphaltic Mastic Assoc. W/ Tan 9 x 9 Floor Tile								
23	LACY-00097-020623-23	H14	---	---	---	---	NA/PS	NA
Location: Basement, Network Room 105 - Tan 9 x 9 Floor Tile								
24	LACY-00097-020623-24	H15	---	---	---	---	NA/PS	NA
Location: Basement, Network Room 105 - Black Asphaltic Mastic Assoc. W/ Tan 9 x 9 Floor Tile								
25	LACY-00097-020623-25	H16	---	---	---	---	Chrysotile 2.0	NA
Location: Basement, Court Conference Room - 2 x 4 Large Scarred (W/ Salmon Backing) Suspended Ceiling Tile								
26	LACY-00097-020623-26	H16	---	---	---	---	Amosite <1.0	NA
Location: Basement, Court Conference Room - 2 x 4 Large Scarred (W/ Salmon Backing) Suspended Ceiling Tile								
27	LACY-00097-020623-27	H17	---	---	---	---	NAD	NA
Location: 1st Floor, Room 201 - White 2 x 2 Smooth And Recessed Suspended Ceiling Tile								
28	LACY-00097-020623-28	H17	---	---	---	---	NAD	NA
Location: 1st Floor, Treasurer's Office - White 2 x 2 Smooth And Recessed Suspended Ceiling Tile								
29	LACY-00097-020623-29	H06	---	---	---	---	NAD	NA
Location: 1st Floor, Treasurer's Office - White Veneer Layer Of Ceiling / Wall Plaster System								
30	LACY-00097-020623-30	H07	---	---	---	---	NAD	NA
Location: 1st Floor, Treasurer's Office - Grey Cementitious Layer Of Ceiling / Wall Plaster System								
31	LACY-00097-020623-31	H18	---	---	---	---	Chrysotile 8.0	NA
Location: 1st Floor, Treasurer's Office - Black Asphaltic Carpet / Remnant Mastic								
32	LACY-00097-020623-32	H18	---	---	---	---	NA/PS	NA
Location: 1st Floor, Treasurer's Office - Black Asphaltic Carpet / Remnant Mastic								

Client Name: T&M Associates

Table I
Summary of Bulk Asbestos Analysis Results
 LACY-00097; Lacey Township; Municipal Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	LACY-00097-020623-33	H06	---	---	---	---	NAD	NA
Location: 1st Floor, Hallway By Women's Room - White Veneer Layer Of Ceiling / Wall Plaster System								
34	LACY-00097-020623-34	H07	---	---	---	---	NAD	NA
Location: 1st Floor, Hallway By Women's Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System								
35	LACY-00097-020623-35	H06	---	---	---	---	NAD	NA
Location: 1st Floor, Room 203 - White Veneer Layer Of Ceiling / Wall Plaster System								
36	LACY-00097-020623-36	H07	---	---	---	---	NAD	NA
Location: 1st Floor, Room 203 - Grey Cementitious Layer Of Ceiling / Wall Plaster System								
37	LACY-00097-020623-37	H06	---	---	---	---	NAD	NA
Location: 1st Floor, Hallway By Tax Office - White Veneer Layer Of Ceiling / Wall Plaster System								
38	LACY-00097-020623-38	H07	---	---	---	---	NAD	NA
Location: 1st Floor, Hallway By Tax Office - Grey Cementitious Layer Of Ceiling / Wall Plaster System								
39	LACY-00097-020623-39	H06	---	---	---	---	NAD	NA
Location: 1st Floor, Conference Room Off Mail Room - White Veneer Layer Of Ceiling / Wall Plaster System								
40	LACY-00097-020623-40	H07	---	---	---	---	NAD	NA
Location: 1st Floor, Conference Room Off Mail Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System								
41	LACY-00097-020623-41	H06	---	---	---	---	NAD	NA
Location: 1st Floor, Mail Room - White Veneer Layer Of Ceiling / Wall Plaster System								
42	LACY-00097-020623-42	H07	---	---	---	---	NAD	NA
Location: 1st Floor, Mail Room - Grey Cementitious Layer Of Ceiling / Wall Plaster System								
43	LACY-00097-020623-43	H12	---	---	---	---	NAD	NA
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Pink 12 x 12 Floor Tile								
44	LACY-00097-020623-44	H13	---	---	---	---	NA/PS	NA
Location: Basement, Tax Assessor Office Adj. Storage Room 101 - Black Asphaltic Mastic Assoc. W/ Pink 12 x 12 Floor Tile								
45	LACY-00097-020623-45	H19	---	---	---	---	Chrysotile 2.0	NA
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System								
46	LACY-00097-020623-46	H20	---	---	---	---	NAD	NA
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								
47	LACY-00097-020623-47	H19	---	---	---	---	NA/PS	NA
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System								
48	LACY-00097-020623-48	H20	---	---	---	---	NAD	NA
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								

See Reporting notes on last page

Client Name: T&M Associates

Table I
Summary of Bulk Asbestos Analysis Results
 LACY-00097; Lacey Township; Municipal Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	LACY-00097-020623-49	H19	---	---	---	---	NA/PS	NA
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System								
50	LACY-00097-020623-50	H20	---	---	---	---	NAD	NA
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								
51	LACY-00097-020623-51	H19	---	---	---	---	NA/PS	NA
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System								
52	LACY-00097-020623-52	H20	---	---	---	---	NAD	NA
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								
53	LACY-00097-020623-53	H19	---	---	---	---	NA/PS	NA
Location: 1st Floor, Courtroom - White Acoustical Finish Layer Of Ceiling Plaster System								
54	LACY-00097-020623-54	H20	---	---	---	---	NAD	NA
Location: 1st Floor, Courtroom - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								
55	LACY-00097-020623-55	H08	---	---	---	---	NAD	NA
Location: Basement, Closet In Community Room - White Sheetrock / Wallboard								
56	LACY-00097-020623-56	H09	---	---	---	---	NAD	NA
Location: Basement, Closet In Community Room - White Joint Compound Assoc. W/ White Sheetrock / Wallboard								
57	LACY-00097-020623-57	H21	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - White 2 x 2 Textured And Recessed Suspended Ceiling Tile								
58	LACY-00097-020623-58	H21	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - White 2 x 2 Textured And Recessed Suspended Ceiling Tile								
59	LACY-00097-020623-59	H22	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - White Textured Finish Coat Of Ceiling Plaster System								
60	LACY-00097-020623-60	H23	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								
61	LACY-00097-020623-61	H22	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - White Textured Finish Coat Of Ceiling Plaster System								
62	LACY-00097-020623-62	H23	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								
63	LACY-00097-020623-63	H22	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - White Textured Finish Coat Of Ceiling Plaster System								
64	LACY-00097-020623-64	H23	---	---	---	---	NAD	NA
Location: 1st Floor, Foyer - Grey Cementitious Undercoat Layer Of Ceiling Plaster System								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
LACY-00097; Lacey Township; Municipal Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	LACY-00097-020623-65	H24	---	---	---	---	Chrysotile 3.0	NA
Location: Exterior, Front Door - White Cementitious Door Caulking Compound								
66	LACY-00097-020623-66	H24	---	---	---	---	NA/PS	NA
Location: Exterior, Front Door - White Cementitious Door Caulking Compound								
67	LACY-00097-020623-67	H25	0.266	63.5	30.5	6.0	NAD	NAD
Location: Exterior (East) - Brown / Grey Window Caulking Compound								
68	LACY-00097-020623-68	H25	---	---	---	---	NAD	NA
Location: Exterior (West) - Brown / Grey Window Caulking Compound								
69	LACY-00097-020623-69	H26	---	---	---	---	Chrysotile 2.0	NA
Location: Attic Space - Grey Cementitious Pipe Fitting Assoc. W/ Fibrous Glass Pipe Insulation On Roof Drains								
70	LACY-00097-020623-70	H26	---	---	---	---	NA/PS	NA
Location: Attic Space - Grey Cementitious Pipe Fitting Assoc. W/ Fibrous Glass Pipe Insulation On Roof Drains								
71	LACY-00097-020623-71	H26	---	---	---	---	NA/PS	NA
Location: Attic Space - Grey Cementitious Pipe Fitting Assoc. W/ Fibrous Glass Pipe Insulation On Roof Drains								

Analyzed by: Feyza Gungor
Date: 2/13/2023

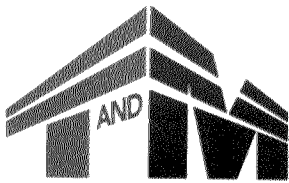
Feyza

Reviewed by: Feyza Gungor

Feyza

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H600-Noran 7 System, Microscope, Serial #: 542-26-10. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = < 1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).



YOUR GOALS. OUR MISSION.

223021594

ASBESTOS LABORATORY WORK ORDER/CHAIN OF CUSTODY

DATE: 2/8/2023

In accordance with the Subcontractor Analytical Services Agreement between AmeriSci (Subcontractor), and T&M Associates, this Work Order describes the Scope of Services, Time Schedule, Charges and Payment Conditions for the Project described below.

CLIENT Lacey Township
PROJECT NAME Municipal Building

PROJECT # LACY-00097
WORK ORDER # _____

HEREIN FIND THE FOLLOWING SAMPLES:

- ☒ Bulk Samples
☐ Air Sample Cassettes ☐ PCM ☐ TEM
☐ Paint Chip Samples
☐ Other

SAMPLE NOS.

LACY-00097-020623-01 THROUGH 71

TURNAROUND TIME:

- ☐ Rush ☐ 6 Hours ☐ 12 Hours ☐ 24 Hours ☐ 48 Hours ☒ Other 5 DAY

TO BE ANALYZED FOR ASBESTOS CONTENT BY THE FOLLOWING METHOD:

- ☒ Polarized Light Microscopy with Dispersion Staining ☐ Phase Contrast Microscopy
☐ ELAP Protocol, TEM ☐ Yes ☐ No ☐ Transmission Electron Microscopy
☐ Lead content analysis (percentage) ☐ Screening Analysis (Fiber Count)
☐ NYS Stratified Point Count ☐ Quantative (Local Area Diffraction)
☒ PLM N.O.B. Analysis (EPA)-N.J. Samples ☐ AHERA Protocol
☒ Other Stop at First Positive of any Homo ID#. TEM one Homo ID# of any <1.0% or ND NOB. No TEM of ceiling tiles (NJ Samples)

REPORTING:

Report initial results to: KBurns@tandmassocaites.com

Send final report to: Mark Worthington

TAKE THE FOLLOWING ACTION WITH SAMPLES:

- ☐ Return to T&M – Use Transmittal ☐ Retain until notified otherwise
☐ Retain indefinitely ☐ Dispose of.

CHAIN OF CUSTODY:

If enclosures are not as noted, please inform us immediately.

T&M Packaged by:	<u>KB</u>	Date:	<u>2/6/2023</u>
Transmitted by:	<u>UPS</u>	Date:	<u>2/8/2023</u>
Method of Transmittal:	<u>UPS</u>	Date:	<u>2/8/2023</u>

LABORATORY:

Received by Lab: ☐ Sealed Package ☐ Damaged and Inventoried

Handled by:	<u>[Signature]</u>	Date:	<u>2/8/23 10:00</u>
Sample Preparation:		Date:	
Sample Analysis:	<u>Tom Feysa Gungor</u>	Date:	<u>2-13-23 @ 8:21 AM</u>
Packaged by:		Date:	

G:\Projects\LACY\00097\Reports\LACY-00097-ASBESTOS LABORATORY WORK ORDER-Municipal Building-020623.docx



223021594

Date 2/6/23
 Client Lacey Township
 Project Municipal Building
 Project # LACY-00097

Sample

No.	Material Description	HID#	Sample Location	Results
01	Grey cementitious Pipe Fitting Insulation associated with 6.0-ins glass pipe insulation	H 01	Basement Break Room	
02	Light green marbled 12x12 Floor tile	H 02	" " "	
03	Black asphaltic mastic associated with #02	H 03	" " "	
04	Same as #02	H 02	" " "	
05	Same as #03	H 03	" " "	
06	White 2x4 recessed square pattern Suspended ceiling tile	H 04	" " "	
07	Same as #06	H 04	" " "	
08	White 2x4 suspended pitted and scored suspended ceiling tile	H 05	Basement Front Lobby	
09	White concrete layer of ceiling/wall plaster system	H 06 TRANS	Basement Men's Room	
10	Grey cementitious layer of ceiling/wall plaster system	H 07	" " "	
11	White Sheetrock wallboard	H 08	" " "	
12	White joint compound associated with #11	H 09	" " "	
13	White Sheetrock 2x2 suspended ceiling tile	H 10	" " "	
14	Same as #13	H 10	Basement ^{Women's} Room	
15	Same as #01	H 01	Basement mechanical Room	
16	Same as #01	H 01	Basement Hallway outside men's room	
17	White 2x4 pitted and large scored suspended ceiling tile	H 11	Basement room 101	
18	Same as #17	H 11	Basement room 101 storage	
19	Pink 12x12 Floor tile	H 12	Basement Room Tgt assoc office adjacent Storage room 101	



Date 2/6/23 # **223021594**
 Client Lacey Township
 Project Municipal Building
 Project # LACY-00077

Sample

No.	Material Description	HID#	Sample Location	Results
20	Black asphaltic mastic associated with #19	#13	Basement Tax assessor office adjacent Storage Rm 101	
21	Tan 9x9 Floor tile	#14	Basement Network Room 104	
22	Black asphaltic mastic associated with #21	#15	11 11 11	
23	Same as #21	#14	11 11 11	
24	Same as #22	#15	11 11 11	
25	2x4 Large square (with Salmon backing) suspended ceiling tile	#16	Basement Court Conference Room	
26	Same as #25	#16	11 11 11	
27	white 2x2 smooth and recessed suspended ceiling tile	#17	1st Floor Room 201	
28	Same as #27	#17	1st Floor Treasurer's office	
29	Same as #09	#06	11 11 11	
30	Same as #10	#07	11 11 11	
31	Black asphaltic carpet/remnant mastic	#18	11 11 11	
32	Same as #31	#18	11 11 11	
33	Same as #09	#06	First Floor Hallway by women's Room	
34	Same as #10	#07	11 11 11	
35	Same as #09	#06	First floor Room 203	
36	Same as #10	#07	11 11 11	
37	Same as #09	#06	First Floor Hallway by Tax office	
38	Same as #10	#07	11 11 11	



Date 2/6/23 # 223021594
 Client Lacey Township
 Project Municipal Building
 Project # LACY-00077

Sample

No.	Material Description	HID#	Sample Location	Results
39	Same as #09	H06	First Floor Conference Room off mail room	
40	Same as #10	H07	" " "	
41	Same as #09	H06	First Floor mail room	
42	Same as #10	H07	" " "	
43	Same as #19	H12	Basement Tax Assessor office adjacent Storage unit	
44	Same as #20	H13	" " "	
45	White acoustical finish layer of ceiling plaster system	H19	First Floor Courtyard	
46	Grey concrete layer of ceiling plaster system	H20	" " "	
47	Same as #45	H19	" " "	
48	Same as #46	H20	" " "	
49	Same as #45	H19	" " "	
50	Same as #46	H20	" " "	
51	Same as #45	H19	" " "	
52	Same as #46	H20	" " "	
53	Same as #45	H19	" " "	
54	Same as #46	H20	" " "	
55	Same as #11	H08	Basement Closet in Community Room	
56	Same as #12	H09	" " "	
57	White 2x2 textured and recessed suspended ceiling tile	H21	First Floor Foyer	



Date

2/6/23

Client

Lacey Township

Project

Municipal Building

Project #

LACY-00097

Sample

No.	Material Description	HID#	Sample Location	Results
58	Same as # 57	H 21	First Floor Foyer	
59	white textured Finish coat of ceiling Plaster system	H 22	" " "	
60	Grey Plaster Cementitious undercoat later of ceiling Plaster System	H 23	" " "	
61	Same as #59	H 22	" " "	
62	Same as #60	H 23	" " "	
63	Same as #59	H 22	" " "	
64	Same as #60	H 23	" " "	
65	White cementitious door caulking compound	H 24	Exterior Front Door	
66	Same as #65	H 24	" " "	
67	Brown/gray window caulking compound	H 25	Exterior East	
68	Same as #67	H 25	Exterior west	
69	Grey cementitious pipe flashing gssoc. with Fibrous glass pipe insulation root drains	H 26	Attic Space	
70	Same as #69	H 26	" "	
71	Same as #69	H 26	" "	



Please Reply To:

AmeriSci New York

117 EAST 30TH ST.

NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

LABORATORY ELECTRONIC TRANSMITTAL

To: Kevin Burns
T&M Associates

Fax #:

Email: kburns@tandmassociates.com

From: Ivan H. Reyes
AmeriSci Job #: 223021595
Subject: PLM 5 day Results
Client Project: LACY-00097; Lacey Township;
Police Department Building -
Police Station

Date: Monday, February 13, 2023

Time: 08:31:31

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

Certified Analysis Service 24 Hours A Day • 7 Days A Week Competitive Prices
visit our web site - www.amerisci.com

Boston • Los Angeles • New York • Richmond

**AmeriSci New York**

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

T&M Associates
Attn: Kevin Burns
11 Tindall Road

Middletown, NJ 07748

Date Received 02/08/23

Date Examined 02/12/23

AmeriSci Job # 223021595

P.O. #

Page 1 of 6

RE: LACY-00097; Lacey Township; Police Department Building -
Police Station

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020723-01 H01	223021595-01 Location: Basement Hallway - Tan Multicolored Marbled 12 X 12 Floor Tile	Yes	3% (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97%			
LACY-00097-020723-02 H02	223021595-02 Location: Basement Hallway - Black Asphaltic Mastic Associated With #01	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020723-03 H01	223021595-03 Location: Basement Hallway - Same As #01		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
LACY-00097-020723-04 H02	223021595-04 Location: Basement Hallway - Same As #02	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020723-05 H01	223021595-05 Location: Basement Detectives Office - Same As #01		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Police Department Building -
Police Station

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020723-06 H02	223021595-06	Yes	5%
Location: Basement Detectives Office - Black Asphaltic Mastic Associated With #02			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Cellulose Trace, Non-fibrous 95%			
LACY-00097-020723-07 H03	223021595-07	No	NAD
Location: Basement Detectives Office - White 2 X 2 Smooth Bottom And Recessed Suspected Ceiling Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45%, Fibrous glass 30%, Non-fibrous 25%			
LACY-00097-020723-08 H04	223021595-08	No	NAD
Location: Basement Detectives Office - Same As #03			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45%, Fibrous glass 35%, Non-fibrous 20%			
LACY-00097-020723-09 H05	223021595-09	No	NAD
Location: Basement Record Room - White Sheetrock / Wallboard			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White/Brown, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15%, Non-fibrous 85%			
LACY-00097-020723-10 H06	223021595-10	No	NAD
Location: Basement Record Room - White Joint Compound Associated With #09			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020723-11 H07	223021595-11	No	NAD
Location: 1st Floor Entrance - Gray Marbled 12 X 12 Floor Tile			(by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Police Department Building -
Police Station

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020723-12 H08	223021595-12 Location: 1st Floor Entrance - Black Asphaltic Mastic Associated With #11	Yes	3% (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 3.0 % Other Material: Cellulose Trace, Non-fibrous 97%			
LACY-00097-020723-13 H07	223021595-13 Location: 1st Floor Hallway - Same As #11	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020723-14 H08	223021595-14 Location: 1st Floor Hallway - Same As #12		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
LACY-00097-020723-15 H05	223021595-15 Location: 1st Floor Entrance - Same As #09	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White/Brown, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 18%, Fibrous glass 2%, Non-fibrous 80%			
LACY-00097-020723-16 H06	223021595-16 Location: 1st Floor Entrance - Same As #10	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			
LACY-00097-020723-17 H09	223021595-17 Location: 1st Floor Stairwell Adjacent To Entrance - White Large S. 2X 4 Suspended Ceiling Tile With S. Backing	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30%, Fibrous glass 45%, Non-fibrous 25%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Police Department Building -
Police Station

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020723-18 H10	223021595-18 Location: First Floor Office Of Administration - Light Green Marbled 12 X 12 Floor Tile	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Lt. Green, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020723-19 H11	223021595-19 Location: First Floor Office Of Administration - Black Asphaltic Mastic Associated With #18	Yes	4% (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 % Other Material: Cellulose Trace, Non-fibrous 96%			
LACY-00097-020723-20 H12	223021595-20 Location: Chief Of Police Office - White 2 X 4 " 2 X 2 Pattern" P. And S. Recessed Suspended Ceiling Tile	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 45%, Fibrous glass 35%, Non-fibrous 20%			
LACY-00097-020723-21 H12	223021595-21 Location: Chief Of Police Office - Same As #20	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 45%, Fibrous glass 30%, Non-fibrous 25%			
LACY-00097-020723-22 H10	223021595-22 Location: First Floor Office Of Administration - Same As #18	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Lt. Green, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020723-23 H11	223021595-23 Location: First Floor Office Of Administration - Same As #19		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Police Department Building -
Police Station

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020723-24 H13	223021595-24 Location: First Floor Interview #1 - White 2 X 4 P. And S. Suspended Ceiling Tile	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 50%, Fibrous glass 30%, Non-fibrous 20%			
LACY-00097-020723-25 H13	223021595-25 Location: First Floor Interview #1 - Same As #24	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 50%, Fibrous glass 30%, Non-fibrous 20%			
LACY-00097-020723-26 H09	223021595-26 Location: First Floor Side Exit Alcove - Same #17	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30%, Fibrous glass 45%, Non-fibrous 25%			
LACY-00097-020723-27 H14	223021595-27 Location: First Floor A. Lieutenant Office - Black S. Composite Window Sill	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Dark Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020723-28 H14	223021595-28 Location: First Floor Chief's Office - Same As #27	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Dark Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020723-29 H15	223021595-29 Location: Exterior Front - Brown Rubberized Door Caulking Compound	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

LACY-00097; Lacey Township; Police Department Building -
Police Station

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LACY-00097-020723-30 H15 Location: Exterior Rear - Same As #29	223021595-30	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020723-31 H16 Location: Exterior East - Brown Rubberized Window Caulking Compound	223021595-31	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
LACY-00097-020723-32 H16 Location: Exterior West - Same As #31	223021595-32	No	NAD (by CVES) by Ivan H. Reyes on 02/12/23
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			

Reporting Notes:

Analyzed by: Ivan H. Reyes
Date: 2/12/2023



Reviewed by: Feyza Gungor



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229915, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

_____END OF REPORT_____

Table I
Summary of Bulk Asbestos Analysis Results
LACY-00097; Lacey Township; Police Department Building - Police Station

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	LACY-00097-020723-01	H01	---	---	---	---	Chrysotile 3.0	NA
Location: Basement Hallway - Tan Multicolored Marbled 12 X 12 Floor Tile								
02	LACY-00097-020723-02	H02	---	---	---	---	NAD	NA
Location: Basement Hallway - Black Asphaltic Mastic Associated With #01								
03	LACY-00097-020723-03	H01	---	---	---	---	NA/PS	NA
Location: Basement Hallway - Same As #01								
04	LACY-00097-020723-04	H02	---	---	---	---	NAD	NA
Location: Basement Hallway - Same As #02								
05	LACY-00097-020723-05	H01	---	---	---	---	NA/PS	NA
Location: Basement Detectives Office - Sames As #01								
06	LACY-00097-020723-06	H02	---	---	---	---	Chrysotile 5.0	NA
Location: Basement Detectives Office - Black Asphaltic Mastic Associated With #02								
07	LACY-00097-020723-07	H03	---	---	---	---	NAD	NA
Location: Basement Detectives Office - White 2 X 2 Smooth Bottom And Recessed Suspected Ceiling Tile								
08	LACY-00097-020723-08	H04	---	---	---	---	NAD	NA
Location: Basement Detectives Office - Same As #03								
09	LACY-00097-020723-09	H05	---	---	---	---	NAD	NA
Location: Basement Record Room - White Sheetrock / Wallboard								
10	LACY-00097-020723-10	H06	---	---	---	---	NAD	NA
Location: Basement Record Room - White Joint Compound Associated With #09								
11	LACY-00097-020723-11	H07	0.278	15.3	81.8	2.9	NAD	NAD
Location: 1st Floor Entrance - Gray Marbled 12 X 12 Floor Tile								
12	LACY-00097-020723-12	H08	---	---	---	---	Chrysotile 3.0	NA
Location: 1st Floor Entrance - Black Asphaltic Mastic Associated With #11								
13	LACY-00097-020723-13	H07	---	---	---	---	NAD	NA
Location: 1st Floor Hallway - Same As #11								
14	LACY-00097-020723-14	H08	---	---	---	---	NA/PS	NA
Location: 1st Floor Hallway - Same As #12								
15	LACY-00097-020723-15	H05	---	---	---	---	NAD	NA
Location: 1st Floor Entrance - Same As #09								
16	LACY-00097-020723-16	H06	---	---	---	---	NAD	NA
Location: 1st Floor Entrance - Same As #10								

Table I
Summary of Bulk Asbestos Analysis Results
LACY-00097; Lacey Township; Police Department Building - Police Station

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	LACY-00097-020723-17	H09	---	---	---	---	NAD	NA
Location: 1st Floor Stairwell Adjacent To Entrance - White Large S. 2X 4 Suspended Ceiling Tile With S. Backing								
18	LACY-00097-020723-18	H10	0.339	18.8	74.7	6.4	NAD	Chrysotile Trace
Location: First Floor Office Of Administration - Light Green Marbled 12 X 12 Floor Tile								
19	LACY-00097-020723-19	H11	---	---	---	---	Chrysotile 4.0	NA
Location: First Floor Office Of Administration - Black Asphaltic Mastic Associated With #18								
20	LACY-00097-020723-20	H12	---	---	---	---	NAD	NA
Location: Chief Of Police Office - White 2 X 4 " 2 X 2 Pattern" P. And S. Recessed Suspended Ceiling Tile								
21	LACY-00097-020723-21	H12	---	---	---	---	NAD	NA
Location: Chief Of Police Office - Same As #20								
22	LACY-00097-020723-22	H10	---	---	---	---	NAD	NA
Location: First Floor Office Of Administration - Same As #18								
23	LACY-00097-020723-23	H11	---	---	---	---	NA/PS	NA
Location: First Floor Office Of Administration - Same As #19								
24	LACY-00097-020723-24	H13	---	---	---	---	NAD	NA
Location: First Floor Interview #1 - White 2 X 4 P. And S. Suspended Ceiling Tile								
25	LACY-00097-020723-25	H13	---	---	---	---	NAD	NA
Location: First Floor Interview #1 - Same As #24								
26	LACY-00097-020723-26	H09	---	---	---	---	NAD	NA
Location: First Floor Side Exit Alcove - Same #17								
27	LACY-00097-020723-27	H14	---	---	---	---	NAD	NA
Location: First Floor A. Lieutenant Office - Black S. Composite Window Sill								
28	LACY-00097-020723-28	H14	---	---	---	---	NAD	NA
Location: First Floor Chief's Office - Same As #27								
29	LACY-00097-020723-29	H15	0.080	61.6	17.4	21.0	NAD	NAD
Location: Exterior Front - Brown Rubberized Door Caulking Compound								
30	LACY-00097-020723-30	H15	---	---	---	---	NAD	NA
Location: Exterior Rear - Same As #29								
31	LACY-00097-020723-31	H16	0.120	49.8	48.3	1.9	NAD	NAD
Location: Exterior East - Brown Rubberized Window Caulking Compound								
32	LACY-00097-020723-32	H16	---	---	---	---	NAD	NA
Location: Exterior West - Same As #31								

Table I
Summary of Bulk Asbestos Analysis Results
LACY-00097; Lacey Township; Police Department Building - Police Station

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	----------------------	--------------------------	--------------------------	------------------------------------	-------------------------	----------------------

Analyzed by: Feyza Gungor
Date: 2/13/2023

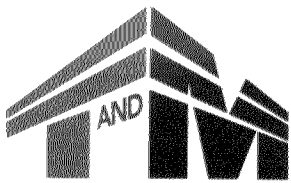
Feyza

Reviewed by: Feyza Gungor

Feyza

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H600-Noran 7 System, Microscope, Serial #: 542-26-10. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).



YOUR GOALS. OUR MISSION.

223021595

ASBESTOS LABORATORY WORK ORDER/CHAIN OF CUSTODY

DATE: 2/8/2023

In accordance with the Subcontractor Analytical Services Agreement between AmeriSci (Subcontractor), and T&M Associates, this Work Order describes the Scope of Services, Time Schedule, Charges and Payment Conditions for the Project described below.

CLIENT Lacey Township
PROJECT NAME Police Department Building

PROJECT # LACY-00097
WORK ORDER # _____

HEREIN FIND THE FOLLOWING SAMPLES:

- ☒ Bulk Samples
☐ Air Sample Cassettes ☐ PCM ☐ TEM
☐ Paint Chip Samples
☐ Other

SAMPLE NOS.

LACY-00097-020723-01 THROUGH 32

TURNAROUND TIME:

- ☐ Rush ☐ 6 Hours ☐ 12 Hours ☐ 24 Hours ☐ 48 Hours ☒ Other 5 DAY

TO BE ANALYZED FOR ASBESTOS CONTENT BY THE FOLLOWING METHOD:

- ☒ Polarized Light Microscopy with Dispersion Staining ☐ Phase Contrast Microscopy
☐ ELAP Protocol, TEM ☐ Yes ☐ No ☐ Transmission Electron Microscopy
☐ Lead content analysis (percentage) ☐ Screening Analysis (Fiber Count)
☐ NYS Stratified Point Count ☐ Quantative (Local Area Diffraction)
☒ PLM N.O.B. Analysis (EPA)-N.J. Samples ☐ AHERA Protocol
☒ Other Stop at First Positive of any Homo ID#. TEM one Homo ID# of any <1.0% or ND NOB. No TEM of ceiling tiles (NJ Samples)

REPORTING:

Report initial results to: KBurns@tandmassocaites.com

Send final report to: Mark Worthington

TAKE THE FOLLOWING ACTION WITH SAMPLES:

- ☐ Return to T&M – Use Transmittal ☐ Retain until notified otherwise
☐ Retain indefinitely ☐ Dispose of.

CHAIN OF CUSTODY: If enclosures are not as noted, please inform us immediately.

T&M Packaged by:	<u>KB</u>	Date:	<u>2/7/2023</u>
Transmitted by:	<u>UPS</u>	Date:	<u>2/8/2023</u>
Method of Transmittal:	<u>UPS</u>	Date:	<u>2/8/2023</u>

LABORATORY:

Received by Lab: ☐ Sealed Package ☐ Damaged and Inventoried

Handled by:	<u>J. Verach</u>	Date:	<u>2/8/23 10:00</u>
Sample Preparation:		Date:	
Sample Analysis:	<u>Tem: Feyza Gungor</u>	Date:	<u>2-13-23 @ 08:00 Am</u>
Packaged by:		Date:	

G:\Projects\LACY\00097\Reports\LACY-00097-ASBESTOS LABORATORY WORK ORDER-Police Department Building-020723.docx



Date

2/7/23

Client

Lacey Township

Project

Police Station

Project #

LACY-00097

Sample

No.	Material Description	HID#	Sample Location	Results
01	Tan multi-colored marble 12x12 Floor tile	H ₀₁	Basement Hallway	
02	Black asphaltic mastic associated with #01	H ₀₂	" "	
03	Same as #01	H ₀₁	" "	
04	Same as #02	H ₀₂	" "	
05	Tan unknown size floor tile tile Same as #01	H ₀₁	Basement Detective's office	
06	Black asphaltic mastic associated with #02	H ₀₂	" "	
07	white 2x2 smooth finish and recessed suspended ceiling tile	H ₀₃	" "	
08	Same as #03	H ₀₃	" "	
09	white Streetrock/wallboard	H ₀₅	Records Room Basement Records Room	
10	white Joint Compound associated with #09	H ₀₆	" "	
11	Grey marble 12x12 Floor tile	H ₀₇	1st Floor Entrance	
12	Black asphaltic mastic associated with #11	H ₀₈	" "	
13	Same as #11	H ₀₇	1st Floor Hallway	
14	Same as #12	H ₀₈	" "	
15	Same as #09	H ₀₅	1st Floor Entrance	
16	Same as #10	H ₀₆	" "	
17	white large square 24x24 suspended ceiling tile with salmon backing	H ₀₉	1st Floor Stairwell adjacent to Entrance	
18	Light green marble 12x12 Floor tile	H ₁₀	First Floor office of Administration	
19	Black asphaltic mastic associated with #18	H ₁₁	" "	



2/7/23

Lacey Township

Police Station

LACX-00097

No.

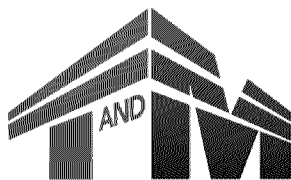
Material Description

HID#

HID#	Sample Location
154560	

Results

[illegible]



YOUR GOALS. OUR MISSION.



REPORT OF LEAD-BASED PAINT IDENTIFICATION SURVEY

MUNICIPAL BUILDING AND POLICE DEPARTEMENT BUILDING FEASIBILITY ASSESSMENT

808 & 818 Lacey Road
Lacey Township, Ocean County, New Jersey

T&M Project No. LACY-00097

MARCH 27, 2023

PREPARED FOR:

Township of Lacey
818 Lacey Road
Forked River, New Jersey
08731

PREPARED BY:

Kevin Burns
Supervising Environmental Scientist
T&M Associates

REVIEWED BY:

Mark Worthington
Group Manager
T&M Associates

Signature

Signature



March 27, 2023
LACY-00097

Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ

**REPORT OF LEAD-BASED PAINT IDENTIFICATION SURVEY
MUNICIPAL BUILDING AND POLICE DEPARTEMENT BUILDING
808 & 818 LACEY ROAD
LACEY TOWNSHIP, OCEAN COUNTY, NEW JERSEY
T&M PROJECT NO. LACY-00097**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 INTRODUCTION.....	1
2.0 REGARDING THE DISTRIBUTION OF LEAD BASED PAINT	1
3.0 LBP MANAGEMENT ASSOCIATED WITH PLANNED DEMOLITION.....	1

APPENDIX:

Appendix A – Mandell Lead Inspectors, Inc. Inspection Report



1.0 INTRODUCTION

T&M Associates (T&M) was retained by Lacey Township (the Client) to perform a number of hazardous material functions for the subject project, including the completion of a lead-based paint (LBP) identification survey of the Municipal Building and Police Department Building located at 808 & 818 Lacey Road in Lacey Township, Ocean County, New Jersey.

It is our understanding that the Building Structures are scheduled for significant renovations and/or demolition. Please note that the survey was conducted on March 2, 2023.

Mandell Lead Inspectors, Inc. was retained as a subcontractor to T&M on this project for the purpose of performing X-ray Fluorescence (XRF) testing of suspect lead-based paint applications at the referenced building. Mandell Lead Inspectors, Inc. and T&M personnel toured the building concurrently, during which time T&M personnel gathered general information to support the discussion presented below.

2.0 REGARDING THE DISTRIBUTION OF LEAD BASED PAINT

It was not the intent of the LBP survey to develop an exhaustive catalog of lead-based paint (LBP) at the subject Building Structure, but rather to gain an understanding of the overall distribution of LBP at the subject Building Structure relative to planning for LBP management that may be necessary during any planned renovations/demolition at the subject Building Structure. Consideration of the testing data presented in the attached report, and observations otherwise made on-site, indicate the following surfaces to contain LBP, with LBP defined as a painted surface tested to contain 1.0 milligrams/square centimeter (mg/cm²) of surface lead-content:

Municipal Building – 818 Lacey Road

No LBP was identified to be associated with the building elements addressed by this investigation at the overall Building Structure.

Police Department Building – 808 Lacey Road

No LBP was identified to be associated with the building elements addressed by this investigation at the overall Building Structure.

3.0 LBP MANAGEMENT ASSOCIATED WITH PLANNED DEMOLITION

Actions taken in regards to all lead-containing materials should be in compliance with any applicable federal, state, and local regulations or codes that may apply to handling, disposal, and contracting. Presently, general renovation and disposal operations that may be undertaken by a privately-owned contractor at the site are subject to the Occupational Safety and Health Administration's Lead Construction Standard (29 CFR 1926.62). This is a "contractor-burden" regulation which specifically addresses potential exposure to lead as a result of demolition/renovation activities, but otherwise does not promulgate specific LBP-management and abatement criteria, especially for LBP to be maintained in-place.



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 2

Incidental handling of LBP as part of a demolition project, when the objective of such handling itself is not meant as “mitigation of permanent elimination” of a LBP hazard, is not considered to constitute “lead abatement” pursuant to the New Jersey Uniform Construction Code (see N.J.A.C. 5:23-1.4). T&M understands that the demolition activities to be undertaken are not subject to the requirements of the promulgated New Jersey Lead Hazard Evaluation and Abatement Code (N.J.A.C. 5:17) and the New Jersey Standards for Lead Certification (N.J.A.C. 8:62).

Rather, given the assumption above, any contractor may undertake LBP-handling activities while undertaking work for which it is otherwise qualified, as long as the contractor acts in a prudent manner. Please note that personnel from each contractor may directly disturb LBP (via cutting into the paint’s substrate, changing a component, demolition of paint surfaces, etc.), as long as effective methods are utilized to protect workers from undue exposure to the LBP pursuant to the OSHA Lead Construction Standard.

Concentrated LBP waste that may be generated by stripping or scraping abatement operations would likely be classified as hazardous waste under current federal and state code, requiring its specialized containerization and disposal. LBP associated with plaster wall and ceiling surfaces to be demolished is often not handled as hazardous waste, as mixed waste usually does not “fail” the TCLP (Toxic Characteristic Leachate Procedure) test for classifying characteristic hazardous waste. This being the case, it is our understanding that state and federal agencies currently do not consider the presence of routine LBP applied to general construction waste to classify that waste in a manner to increase its disposal cost [see EPA document 747-R-93-006, Applicability of Federal Resource Conservation and Recovery Act (RCRA) Disposal Requirements to Lead-Based Paint Abatement Wastes].

The United States Environmental Protection Agency (USEPA) has proposed regulations which would eliminate the requirement for the abovementioned TCLP testing and allow for the disposal of LBP debris in construction and demolition (C&D) landfills. Although we expect that demolition debris from the planned demolition activities at the subject building structures would not be classified as hazardous waste under the current regulatory environment, the proposed regulations would ensure this scenario.

Handling of the building components to be demolished as part of any scheduled renovation/demolition project would require dust suppression and control relative to OSHA compliance and good industry practice to prevent fugitive dust exposure to personnel in adjacent areas. Specific waste handling is not expected to be necessary on this project.

We are pleased to have been given the opportunity to work with you on this project. Should you have any questions, please contact our office.

Enclosure: (1 testing report)



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment
808 & 818 Lacey Road
Lacey Township, Ocean County, NJ

APPENDIX A



MANDELL ENVIRONMENTAL CONSULTING

409 MINNISINK ROAD • SUITE 102 • TOTOWA, NJ 07512 • (973) 785-7574 • FAX (973) 785-0561

LEAD PAINT INSPECTION REPORT

INSPECTION FOR: T&M Associates
11 Tindall Road
Middletown, NJ 07748

PERFORMED AT: 818 Lacey Road
Forked River, NJ

INSPECTION DATE: 03/02/2023

INSTRUMENT TYPE: Heuresis Pb 200i
XRF Lead-Based Paint Analyzer
Serial Number: 2609

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 018847

THIS REPORT IS NON-TRANSFERABLE

The measurements contained within are accurate to the best of our knowledge. Mandell Lead Inspectors Inc. does not under any circumstances make any representation guarantee or warranty as to the reported or future condition of the property.

SIGNED: Daren Slack Date: 3-10-2023
Daren Slack
Mandell Lead Inspectors, Inc.
409 Minnisink Road, Suite 102
Totowa, NJ 07512
(973) 785-7574

Summary

On March 3, 2023, Mandell Lead Inspectors Inc. conducted a limited inspection for the possible presence of Lead-based Paint at 818 Lacey Road, Forked River, NJ. Sampling of selected areas was performed using a Heuresis Pb 200i XRF Lead-Based Paint Analyzer. The inspection was conducted by Darren Slack NJ/EPA Lead Paint Inspector/ Risk Assessor Certification # 018847. The inspection was limited to the random testing of building components that may be disturbed during renovation activities. The inspection was not intended to be a full survey in accordance with HUD Guidelines.

The enclosed information will primarily assist you in identifying the location(s) of lead-based paint on the exterior and interior painted surfaces tested during the inspection. It should not be used to assess whether an individual has been exposed to harmful levels of lead and/or the future for potential for future exposure. However, this information can provide the basis for a more detailed inspection or risk assessment, which includes an in depth, hazard evaluation as well as soil, and dust wipe sampling.

The XRF results section of this report provides a listing of all the readings collected during the inspection, organized by room and structure type. The positive readings are highlighted and include those readings that were at or above the action level 1.0 mg/cm². **We found that none of the readings were positive for lead-based paint.** However, some painted surfaces may contain levels of lead below 1.0 mg/cm² (e.g. inconclusive), which could create dust or lead-contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding. When reviewing the reports please consider that XRF readings were only collected on representative painted surfaces which were visible to the inspector at the time of the inspection, and accessible from ground level. Readings were not collected in areas where the presence or absence of paint could not be determined, or accessed. The overall condition of the painted surfaces at these locations is also provided.

XRF RESULTS

EXPLANATION OF TERMS AND ABBREVIATIONS

The following information has been provided to assist you with the attached Lead-Based Paint Inspection Report.

Action Level – The level at or above which any paint, shellac, varnish, or other coating is considered to be lead-based and, consequently, appropriate abatement and/or interim control measures should be considered. Currently, the action level as outlined in State and Federal guidelines is 1.0 milligrams/square centimeter (1.0 mg/cm²) as measured by X-Ray Fluorescence (XRF) testing, or 0.5% by weight as measured by laboratory analysis.

Reading No. – Corresponds to a specific XRF measurement as taken in a numerical sequence during the inspection.

Surface – The general location of a measurement relative to a wall on the exterior of the house or within a particular room. Wall A corresponds to the front entry wall, while walls B through D are identified proceeding in a clockwise direction.

Structure – A major component such as a window, wall, or staircase located inside or outside of the house, upon which a measurement or set of measurements were collected.

Location – The specific area on a structure where a measurement was collected.

Member – A portion of a structure such as a window jam, door header, or stair riser where a measurement was collected.

Friction Surface – Any interior or exterior surface such as a window, stair tread, or floor subject to friction or abrasion.

Impact Surface – An interior or exterior surface such as surfaces on doors subject to damage by repeated impact or contact.

Paint Condition – A subjective classification of the condition of a painted surface upon which a measurement was collected. Paint is classified into one of two categories that include “sound” or “unsound”. A “sound” surface is considered to be completely intact and free from any visible signs of damage or deterioration. All other surfaces are considered “unsound”. Regardless of the paint condition at the time of inspection, all friction and impact surfaces are considered “unsound” due to the ongoing generation of dust that is inherent to these surfaces during use. If test results indicate the presence of lead-based paint, particularly on an “unsound” surface, steps should be taken to establish and maintain a lead-safe condition.

I = Intact: Paint surface is smooth, continuous and free of surface defect that would result in the release of paint dust or chips.

D=Deteriorated: Large surfaces – a surface where more than two square feet of surface are not intact. Areas without large surfaces – surface where more than 10 percent of the surface is not intact.

Lead Inspection Report

Inspection Date: 3/2/2023 - 3/2/2023
Action Level: 1.0 (mg/cm²)
Total Readings: 120
Unit Started: 03/02/2023 11:04:19
Unit Ended: 03/02/2023 12:45:36

Inspection Site: 818 Lacey Road
Forked River, NJ

Read #	Result	Room	Wall	Component	Substrate	Paint Condition	Site	Lead (mg/cm ²)
62 (CAL)								1.1 mg/cm ²
63 (CAL)								1.2 mg/cm ²
64 (CAL)								1.2 mg/cm ²
65 (CAL)								0.0 mg/cm ²
66 (CAL)								0.0 mg/cm ²
67 (CAL)								0.0 mg/cm ²
68	Negative	Foyer	C	Door Molding	Metal	Intact	Police Station	0.1 mg/cm ²
69	Negative	Foyer	C	Wall	Paneling	Intact	Police Station	0.0 mg/cm ²
70	Negative	Foyer	B	Door	Metal	Intact	Police Station	0.1 mg/cm ²
71	Negative	Cell Area	A	Wall	Concrete	Intact	Police Station	0.0 mg/cm ²
72	Negative	Cell Area	C	Wall	Concrete	Intact	Police Station	0.0 mg/cm ²
73	Negative	Cell Area	Center	Cell Door	Metal	Intact	Police Station	0.2 mg/cm ²
74	Negative	Cell Area	B	Door	Metal	Intact	Police Station	0.1 mg/cm ²
75	Negative	Cell Area	B	Door Molding	Metal	Intact	Police Station	0.5 mg/cm ²
76	Negative	Cell Area	Center	Door Molding	Metal	Intact	Police Station	0.4 mg/cm ²
77	Negative	Processing Room	B	Door Molding	Metal	Intact	Police Station	0.5 mg/cm ²
78	Negative	Processing Room	B	Door	Metal	Intact	Police Station	0.1 mg/cm ²
79	Negative	Processing Room	C	Radiator Cover	Metal	Intact	Police Station	0.1 mg/cm ²
80	Negative	Processing Room	C	Wall	Concrete	Intact	Police Station	0.0 mg/cm ²
81	Negative	Processing Room	A	Wall	Concrete	Intact	Police Station	0.1 mg/cm ²

Lead Inspection Report

Inspection Date: 3/2/2023 - 3/2/2023
 Action Level: 1.0 (mg/cm²)
 Total Readings: 120
 Unit Started: 03/02/2023 11:04:19
 Unit Ended: 03/02/2023 12:45:36

Inspection Site: 818 Lacey Road
 Forked River, NJ

Read #	Result	Room	Wall	Component	Substrate	Paint Condition	Site	Lead (mg/cm ²)
82	Negative	Hallway	B	Wall	Concrete	Intact	Police Station	0.1 mg/cm ²
83	Negative	Hallway	D	Wall	Concrete	Intact	Police Station	0.0 mg/cm ²
84	Negative	Hallway	D	Door Molding	Metal	Intact	Police Station	0.1 mg/cm ²
85	Negative	Bathroom	B	Door Molding	Metal	Intact	Police Station	0.2 mg/cm ²
86	Negative	Admin. Office	B	Door Molding	Metal	Intact	Police Station	0.1 mg/cm ²
87	Negative	Admin. Office	B	Door	Wood	Intact	Police Station	0.0 mg/cm ²
88	Negative	Admin. Office	B	Wall	Plaster	Intact	Police Station	0.1 mg/cm ²
89	Negative	Admin. Office	D	Wall	Plaster	Intact	Police Station	0.0 mg/cm ²
90	Negative	Admin. Office	A	Wall	Plaster	Intact	Police Station	0.0 mg/cm ²
91	Negative	Records Room	B	Door	Wood	Intact	Police Station	0.0 mg/cm ²
92	Negative	Records Room	B	Door Molding	Metal	Intact	Police Station	0.1 mg/cm ²
93	Negative	Records Room	B	Door Molding	Metal	Intact	Police Station	0.1 mg/cm ²
94	Negative	Records Room	C	Wall	Metal	Intact	Police Station	0.1 mg/cm ²
95	Negative	Records Room	D	Wall	Metal	Intact	Police Station	0.0 mg/cm ²
96	Negative	Dispatch	B	Wall	Plaster	Intact	Police Station	0.1 mg/cm ²
97	Negative	Dispatch	B	Door Molding	Metal	Intact	Police Station	0.1 mg/cm ²
98	Negative	Dispatch	D	Wall	Plaster	Intact	Police Station	0.0 mg/cm ²
99	Negative	Dispatch	C	Wall	Plaster	Intact	Police Station	0.0 mg/cm ²

Lead Inspection Report

Inspection Date: 3/2/2023 - 3/2/2023
Action Level: 1.0 (mg/cm²)
Total Readings: 120
Unit Started: 03/02/2023 11:04:19
Unit Ended: 03/02/2023 12:45:36

Inspection Site: 818 Lacey Road
Forked River, NJ

Read #	Result	Room	Wall	Component	Substrate	Paint Condition	Site	Lead (mg/cm ²)
100	Negative	Stairway	A	Wall	Plaster	Intact	Police Station	0.0 mg/cm ²
101	Negative	Stairway	D	Wall	Plaster	Intact	Police Station	0.0 mg/cm ²
102	Negative	Stairway	D	Door	Metal	Deteriorated	Police Station	0.1 mg/cm ²
103	Negative	Stairway	D	Door Molding	Metal	Deteriorated	Police Station	0.3 mg/cm ²
104	Negative	Stairway	D	Ladder	Metal	Deteriorated	Police Station	0.6 mg/cm ²
105	Negative	Stairway	Center	Stair Stringer	Metal	Deteriorated	Police Station	0.4 mg/cm ²
106	Negative	Stairway	Center	Railing	Metal	Deteriorated	Police Station	0.3 mg/cm ²
107	Negative	Utility Room	B	Door Molding	Metal	Deteriorated	Police Station	0.5 mg/cm ²
108	Negative	Utility Room	B	Door	Metal	Deteriorated	Police Station	0.0 mg/cm ²
109	Negative	Utility Room	B	Wall	Concrete	Deteriorated	Police Station	0.3 mg/cm ²
110	Negative	Exercise Room	B	Wall	Concrete	Deteriorated	Police Station	0.2 mg/cm ²
111	Negative	Exercise Room	B	Door	Metal	Deteriorated	Police Station	0.1 mg/cm ²
112	Negative	Exercise Room	B	Door Molding	Metal	Deteriorated	Police Station	0.5 mg/cm ²
113	Negative	Exercise Room	D	Wall	Concrete	Deteriorated	Police Station	0.0 mg/cm ²
114	Negative	Exercise Room	A	Wall	Concrete	Deteriorated	Police Station	0.1 mg/cm ²
115	Negative	Basement Hallway	B	Wall	Plaster	Deteriorated	Police Station	0.0 mg/cm ²
116	Negative	Basement Hallway	D	Wall	Plaster	Deteriorated	Police Station	0.1 mg/cm ²
117	Negative	Basement Hallway	A	Door Molding	Metal	Deteriorated	Police Station	0.4 mg/cm ²

Lead Inspection Report

Inspection Date: 3/2/2023 - 3/2/2023
 Action Level: 1.0 (mg/cm²)
 Total Readings: 120
 Unit Started: 03/02/2023 11:04:19
 Unit Ended: 03/02/2023 12:45:36

Inspection Site: 818 Lacey Road
 Forked Rive, NJ

Read #	Result	Room	Wall	Component	Substrate	Paint Condition	Site	Lead (mg/cm ²)
118	Negative	Multi-Purpose Room	B	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
119	Negative	Multi-Purpose Room	C	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
120	Negative	Multi-Purpose Room	D	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
121	Negative	Room 103	A	Wall	Concrete	Intact	Municipal Building	0.0 mg/cm ²
122	Negative	Room 103	B	Wall	Concrete	Intact	Municipal Building	0.2 mg/cm ²
123	Negative	Room 103	B	Window Sill	Wood	Stain Varnish	Municipal Building	0.0 mg/cm ²
124	Negative	Room 103	C	Wall	Concrete	Intact	Municipal Building	0.0 mg/cm ²
125	Negative	Room 103	C	Door	Metal	Intact	Municipal Building	0.3 mg/cm ²
126	Negative	Storage Room	C	Door Molding	Metal	Intact	Municipal Building	0.5 mg/cm ²
127	Negative	Storage Room	C	Wall	Concrete	Intact	Municipal Building	0.0 mg/cm ²
128	Negative	Storage Room	A	Wall	Concrete	Intact	Municipal Building	0.2 mg/cm ²
129	Negative	Storage Room	B	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
130	Negative	Hallway	A	Stair Stringer	Metal	Deteriorated	Municipal Building	0.6 mg/cm ²
131	Negative	Hallway	A	Stair Handrail	Metal	Deteriorated	Municipal Building	0.8 mg/cm ²
132	Negative	Hallway	A	Wall	Concrete	Deteriorated	Municipal Building	0.1 mg/cm ²
133	Negative	Kitchen	A	Wall	Plaster	Deteriorated	Municipal Building	0.0 mg/cm ²
134	Negative	Kitchen	B	Wall	Concrete	Deteriorated	Municipal Building	0.0 mg/cm ²

Lead Inspection Report

Inspection Date: 3/2/2023 - 3/2/2023
 Action Level: 1.0 (mg/cm²)
 Total Readings: 120
 Unit Started: 03/02/2023 11:04:19
 Unit Ended: 03/02/2023 12:45:36

Inspection Site: 818 Lacey Road
 Forked Rive, NJ

Read #	Result	Room	Wall	Component	Substrate	Paint Condition	Site	Lead (mg/cm ²)
135	Negative	Kitchen	C	Wall	Concrete	Deteriorated	Municipal Building	0.0 mg/cm ²
136	Negative	Kitchen	D	Wall	Concrete	Deteriorated	Municipal Building	0.0 mg/cm ²
137	Negative	Kitchen	D	Door Molding	Metal	Deteriorated	Municipal Building	0.2 mg/cm ²
138	Negative	Utility Room	B	Door Molding	Metal	Deteriorated	Municipal Building	0.3 mg/cm ²
139	Negative	Utility Room	D	Wall	Metal	Deteriorated	Municipal Building	0.0 mg/cm ²
140	Negative	Utility Room	Center	Beam	Metal	Deteriorated	Municipal Building	0.4 mg/cm ²
141	Negative	Utility Room	Center	Beam	Metal	Deteriorated	Municipal Building	0.3 mg/cm ²
142	Negative	Tax Assessor	B	Door Molding	Metal	Deteriorated	Municipal Building	0.4 mg/cm ²
143	Negative	Tax Assessor	B	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
144	Negative	Tax Assessor	C	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
145	Negative	Tax Assessor	D	Window Sill	Plaster	Intact	Municipal Building	0.0 mg/cm ²
146	Negative	Basement Hallway	C	Wall	Concrete	Intact	Municipal Building	0.0 mg/cm ²
147	Negative	Basement Hallway	D	Wall	Concrete	Intact	Municipal Building	0.0 mg/cm ²
148	Negative	Basement Hallway	C	Door Molding	Metal	Intact	Municipal Building	0.3 mg/cm ²
149	Negative	Basement Hallway	A	Door Molding	Metal	Intact	Municipal Building	0.5 mg/cm ²
150	Negative	Hallway	A	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
151	Negative	Hallway	B	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
152	Negative	Hallway	C	Door Molding	Metal	Intact	Municipal Building	0.1 mg/cm ²

Lead Inspection Report

Inspection Date: 3/2/2023 - 3/2/2023
 Action Level: 1.0 (mg/cm²)
 Total Readings: 120
 Unit Started: 03/02/2023 11:04:19
 Unit Ended: 03/02/2023 12:45:36

Inspection Site: 818 Lacey Road
 Forked Rive, NJ

Read #	Result	Room	Wall	Component	Substrate	Paint Condition	Site	Lead (mg/cm ²)
153	Negative	Room 206	D	Door Molding	Metal	Intact	Municipal Building	0.2 mg/cm ²
154	Negative	Room 206	D	Door	Wood	Stain Varnish	Municipal Building	0.1 mg/cm ²
155	Negative	Room 206	D	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
156	Negative	Room 206	B	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
157	Negative	Room 206	B	Door Molding	Metal	Intact	Municipal Building	0.2 mg/cm ²
158	Negative	Men's Bath	C	Door Molding	Metal	Intact	Municipal Building	0.2 mg/cm ²
159	Negative	Men's Bath	C	Door	Wood	Stain Varnish	Municipal Building	0.0 mg/cm ²
160	Negative	Lobby	B	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
161	Negative	Lobby	C	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
162	Negative	Lobby	D	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
163	Negative	Court Room	A	Door Molding	Metal	Intact	Municipal Building	0.4 mg/cm ²
164	Negative	Court Room	A	Door	Wood	Intact	Municipal Building	0.0 mg/cm ²
165	Negative	Court Room	B	Wall	Paneling	Intact	Municipal Building	0.1 mg/cm ²
166	Negative	Room 202	A	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²
167	Negative	Room 202	D	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
168	Negative	Room 202	B	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
169	Negative	Room 202	B	Window Sill	Wood	Intact	Municipal Building	0.0 mg/cm ²
170	Negative	Room 202	C	Wall	Plaster	Intact	Municipal Building	0.1 mg/cm ²

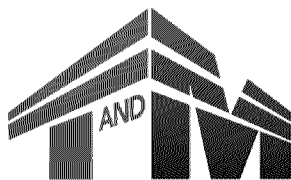
Lead Inspection Report

Inspection Date: 3/2/2023 - 3/2/2023
Action Level: 1.0 (mg/cm²)
Total Readings: 120
Unit Started: 03/02/2023 11:04:19
Unit Ended: 03/02/2023 12:45:36

Inspection Site: 818 Lacey Road
Forked Rive, NJ

Read #	Result	Room	Wall	Component	Substrate	Paint Condition	Site	Lead (mg/cm ²)
171	Negative	Hallway	A	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
172	Negative	Hallway	C	Wall	Plaster	Intact	Municipal Building	0.0 mg/cm ²
173	Negative	Hallway	C	Door Molding	Metal	Intact	Municipal Building	0.4 mg/cm ²
174	Negative	Hallway	B	Door Molding	Metal	Intact	Municipal Building	0.2 mg/cm ²
175	Negative	Exterior	A	Railing	Metal	Deteriorated	Municipal Building	0.2 mg/cm ²
176 (CAL)								1.2 mg/cm ²
177 (CAL)								1.1 mg/cm ²
178 (CAL)								1.1 mg/cm ²
179 (CAL)								0.0 mg/cm ²
180 (CAL)								0.0 mg/cm ²
181 (CAL)								0.1 mg/cm ²

----- END OF READINGS -----



YOUR GOALS. OUR MISSION.



PCB, MERCURY LIQUID & LAMP ("UNIVERSAL WASTE") INVESTIGATION

MUNICIPAL BUILDING AND POLICE DEPARTMENT BUILDING
FEASIBILITY ASSESSMENT

808 & 818 Lacey Road
Lacey Township, Ocean County, New Jersey

T&M Project No. LACY-00097

MARCH 27, 2023

PREPARED FOR:

Township of Lacey
818 Lacey Road
Forked River, New Jersey
08731

PREPARED BY:

Kevin Burns
Supervising Environmental Scientist
T&M Associates

REVIEWED BY:

Mark Worthington
Group Manager
T&M Associates

Signature

Signature



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

**PCB, MERCURY LIQUID AND LAMP (“UNIVERSAL WASTE”) INVESTIGATION
MUNICIPAL BUILDING AND POLICE DEPARTEMENT BUILDING
808 & 818 LACEY ROAD
LACEY TOWNSHIP, OCEAN COUNTY, NEW JERSEY
T&M PROJECT NO. LACY-00097**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 INTRODUCTION.....	1
2.0 REGARDING PCB/MERCURY-CONTAINING EQUIPMENT	1
INVENTORY OF SUSPECTED PCB/MERCURY-CONTAINING EQUIPMENT.....	2
3.0 CONCLUSION	3



1.0 INTRODUCTION

T&M Associates (T&M) was retained by Lacy Township (the Client) to perform a number of hazardous material functions for the subject project including a review of involved components and spaces for equipment that may contain polychlorinated biphenyls (PCBs) or mercury. The handling of equipment, which includes PCBs and/or mercury, is subject to the requirements of the United State Protection Agency's (USEPA's) "Universal Waste" program.

The survey was conducted to address the Municipal Building and Police Department Building located at 808 & 818 Lacey Road in Lacey Township, Ocean County, New Jersey.

It is our understanding that the Building Structures may undergo significant renovations/demolition. Please note that the survey was conducted by Mr. Kevin Burns and Mr. Daniel Schaefer of T&M on February 6, 2023 and February 7, 2023.

2.0 REGARDING PCB/MERCURY-CONTAINING EQUIPMENT

The extent of investigation under this task item included visually observing electrical appliances known to typically contain PCB-based dielectric fluid (such as transformers and light ballasts), and/or mercury fluid and mercury-containing bulb treatments and recording product label information concerning the presence of PCBs and/or mercury. These materials must be either disposed of properly or recycled in accordance with the United States Environmental Protection Agency's (USEPA) "Universal Waste" program. The strategy undertaken as part of this investigation was to: (1) assume that electrical appliances such as light ballasts and transformers that were not specifically labeled as "non-PCB containing", or with other similar wording, are indeed PCB-containing; and, (2) to do the same likewise relative to thermostats and fluorescent light tubes in regards to their mercury content.

It is important to note that this investigation was focused on building system components such as switches, thermostats, transformers, light tubes, etc., and did not include review of building materials which may contain PCBs, such as window caulking compound and certain foam insulation applications.

Municipal Building – 818 Lacey Road

Visual review of the subject Building Structure spaces and components to be disturbed as part of the planned building-wide renovations indicates that the following matters should be addressed as part of the planning process:

- (1) Fluorescent/LED light tubes were observed to exist throughout the subject Building Structure;
- (2) Suspected PCB-containing light fixture ballasts were observed throughout the subject Building Structure (as classified by absence of labeling) and;
- (3) Suspected mercury-containing thermostats were observed to exist throughout the subject Building Structure.



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 2

Police Department Building – 808 Lacey Road

Visual review of the subject Building Structure spaces and components to be disturbed as part of the planned building-wide renovations indicates that the following matters should be addressed as part of the planning process:

- (1) Fluorescent/LED light tubes were observed to exist throughout the subject Building Structure;
- (2) Suspected PCB-containing light fixture ballasts were observed throughout the subject Building Structure (as classified by absence of labeling) and;
- (3) Suspected mercury-containing thermostats were observed to exist throughout the subject Building Structure.

It is important to note, while not considered to be hazardous waste, the fluid contained within non-PCB containing light fixture ballasts, any package-style localized transformers and any suspect hazardous material-containing exit signs (not quantified) must be disposed of properly.

Please also note, although not specifically identified, certain types of coolants associated with any HVAC or refrigeration units may need to be removed and disposed of properly.

Inventory of Suspected PCB/Mercury-Containing Equipment

Municipal Building – 818 Lacey Road

TYPE OF MATERIAL/EQUIPMENT	LOCATION	APPROX. AMOUNT
Suspected (likely) PCB-containing light ballasts	Throughout the subject Building Structure spaces	200 ballasts (estimated)
Fluorescent/LED light tubes	Throughout the subject Building Structure spaces	420 light tubes (estimated)
Suspected mercury-containing thermostats	Throughout the subject Building Structure spaces	5 thermostats (estimated)



March 27, 2023

LACY-00097

Municipal Building and Police Department Building Feasibility Assessment

808 & 818 Lacey Road

Lacey Township, Ocean County, NJ

Page 3

Police Department Building – 808 Lacey Road

TYPE OF MATERIAL/EQUIPMENT	LOCATION	APPROX. AMOUNT
Suspected (likely) PCB-containing light ballasts	Throughout the subject Building Structure spaces	116 ballasts (estimated)
Fluorescent/LED light tubes	Throughout the subject Building Structure spaces	285 light tubes (estimated)
Suspected mercury-containing thermostats	Throughout the subject Building Structure spaces	5 thermostats (estimated)

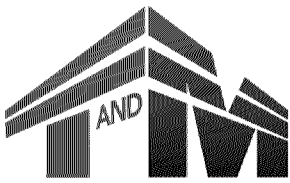
3.0 CONCLUSION

The PCB/Mercury containing equipment as well as the non-PCB containing equipment identified in Section 2.0, if impacted by the anticipated demolition, must be removed and disposed of in accordance with all applicable local, state and federal regulations.

We expect that the “reasonable worse case” cost impact associated with the removal/disposal of all materials at the Municipal Building would be approximately \$2,500.00, expressed as an increment to the overall cost estimate for the project.

We expect that the “reasonable worse case” cost impact associated with the removal/disposal of all materials at the Police Department Building would be approximately \$1,500.00, expressed as an increment to the overall cost estimate for the project.

We are pleased to have been given the opportunity to work with you on this project. Should you have any questions, please contact our office.



YOUR GOALS. OUR MISSION.

LACY-00097

June 12, 2023

Veronica Laureigh, Administrator/Clerk
Township of Lacey
818 Lacey Road
Forked River, New Jersey 08731

RE: LACEY TOWNSHIP MUNICIPAL/POLICE RENOVATIONS & ADDITIONS
FEASIBILITY ASSESSMENT

Dear Ms. Laureigh:

Consistent with our accepted proposal we offer the following letter report addressing the feasibility, cost and practicality of renovating and expanding the existing Municipal and Police buildings as an alternative to constructing a new consolidated municipal building on the adjacent wooded site. This effort has been based on the programming information provided by the Township and existing building areas to establish the required building addition sizes. In addition, the programing reflects that the Township desires to utilize the basement levels of both buildings only for storage and that the Municipal Building Addition floor elevation will align with the existing 1st floor. We provided three (3) additional options for the Township's consideration, and the following option was selected for this assessment.

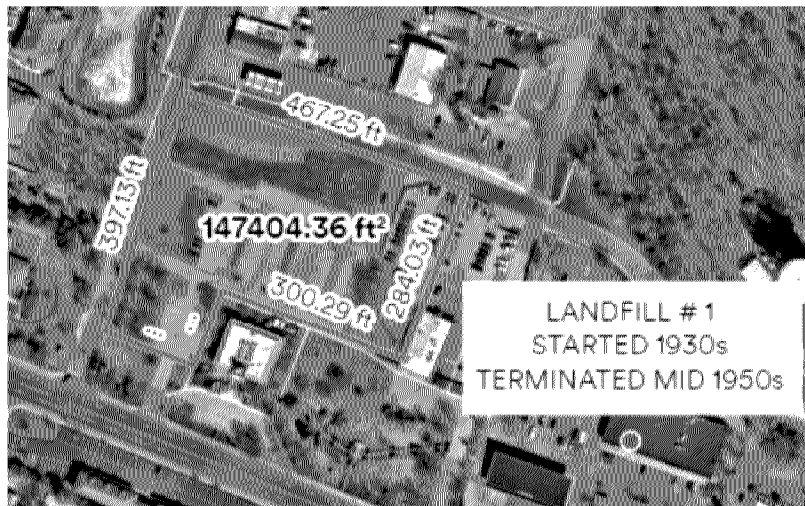




June 12, 2023
Page 2 of 5

1. LAND USE PERMITTING:

- a. **LANDFILL:** It is our understanding based on conversations with Township staff that the area north of the municipal building is an existing landfill. We were advised that the area was quarried for gravel (+/-5' below existing grade) and subsequently used as a landfill between the 1930's and mid-1950's. There was no specific information available on the NJDEP web site regarding this landfill. The eastern limit of the landfill was encountered during the construction of the Police building. The approximate limits of the initial landfill are shown below:



As you can see, the location of the proposed Municipal and Police additions will be over the landfill and will require submission to NJDEP Division of Solid Waste to confirm disturbing the current cap and securing a Landfill Disturbance Permit is feasible. For purposes of this assessment, we assume that the existing landfill material will be required to be replaced with structural fill to support the building.

- b. Upon review of NJDEP GIS Data and review of the Coastal Zone Management Rules the following information on amount of impervious allowed and amount of tree preservation and planting is as follows:

NJAC 7:7-13.17 Impervious cover limits for a site in the CAFRA area

As per the Coastal Zone Management Rules (NJAC 7:7 13.17) the site is located within the CAFRA Zone – Suburban Planning Area with a Sewer Service Area which allows 30% impervious on the total site.

NJAC 7:7-13.18 Vegetative cover percentages for a site in the CAFRA area

It appears as though the site would be classified as “Unforested” and that there is very minor tree removal proposed. The percentage for Tree Preservation and Planting in the Suburban Planning Area is 5% in an unforested site.



June 12, 2023
Page 3 of 5

NJAC 7:7-13-18 (a)2 To determine the area (in acres) of herb/shrub vegetation preservation or planting on the site, subtract both the acreage of the impervious cover allowed under N.J.A.C. 7:7-13.17 and the acreage of tree planting and/or preservation required under (a)1 above from the acreage of the net land area on the site.

The impervious area of the existing 19 Acre parcel is approximately 71 %, significantly exceeding the allowable 30% for new development. The parcel not only includes the portion of the site adjacent to Lacey Road with the Municipal and Police Buildings and associated parking, but the entire northern section that includes Public Works and Transportation which is almost completely impervious. The CZM Rules address existing impervious coverage, which on this site was mostly installed prior to 1988. It appears that Veteran's Way and the parking on either side was constructed between 2007 and 2008. We assume that DEP approved the current impervious cover at that point. The redevelopment of the southern portion of the site including the proposed building additions and limited new parking represents an addition 4% impervious cover. This issue will require further review with NJDEP to confirm increasing the impervious cover is acceptable or if mitigation measures such as pervious paving will be required.

It appears that the vegetative cover percentage of 5% will be met by the landscaped areas along Lacey Road. We have included a landscape allowance that would address the minor tree and shrub removal.

- c. **PARKING:** Chapter 285 Site Plan Review of the Lacey Township Code – Section 11 Off-street parking and loading requirements, paragraph M.(22) Government, county or municipal offices: four parking spaces for each 1,000 square feet of gross floor area will require a total of 220 spaces for the 55,000 SF program area (not including the basement storage area) for the combined Municipal and Police building area. There is a total of 193 existing parking stalls which complies with the Code for the existing buildings. However, 54 spaces will be lost to the additional footprint, and only 37 new spaces are able to be added as shown on the attached site plan, resulting in a net parking capacity of 176 stalls which does not comply with Code. The 30 existing stalls off Veteran's Way are not included in this count as they appear to be used of the Public Works/Transportation operation. Addressing parking capacity will require further review. Consideration could be given to including parking under the Municipal addition in lieu of filling the building pad, but this approach may require a rated separation and therefore increasing costs.

2. ASBESTOS/ LEAD BASED PAINT/ UNIVERSAL WASTE SURVEY:

- a. **ASBESTOS IDENTIFICATION, LEAD BASED PAINT (LBP) and UNIVERSAL WASTE SURVEYS** were performed and the reports are attached for reference. The anticipated removal costs have been included in the conceptual budget to support the existing building renovations.
- b. **ASBESTOS IDENTIFICATION SURVEY:** Identified pipe insulation, 2 x 4 "large scarred" suspended ceiling tiles and acoustical layer of the plaster ceiling in the Municipal Building and most of the flooring and mastic in both the Municipal and Police Buildings.
- c. **LEAD BASED PAINT (LBP) SURVEY:** No LBP was identified in either the Municipal or Police Buildings.



June 12, 2023
Page 4 of 5

- d. **UNIVERSAL WASTE SURVEY:** Identified typical light fixture lamps and ballasts and thermostats with nominal cost impact to renovation scope of work for both Municipal and Police Buildings.

GENERAL BUILDING/SITE:

- a. Building program provided by the Township overall facility to be **55,000 SF:**

Existing Building Areas

Municipal Bldg – 14,400 SF

Police Bldg – 10,000 SF

Community Development- 4,200 SF

Total Existing Space - +/- 28,600SF

Total Program Space – 55,000 SF

Less Total Existing Space– 28,600 SF

Net Additional Space – 26,400 SF

Add to eliminate Municipal Bldg Basement – 7,200 SF

Add to eliminate Police Bldg Basement – 5,000 SF

Add for Off-Site Comm Dev Building– 4,200 SF

Total Addition Area - +/- 42,800 SF

- b. The anticipated general project phasing plan to support the proposed additions and renovations may include:
 - i. Phase 1- Site and building preparation to include construction of new parking and relocation of generators and antenna. We expect the existing generators will be relocated to continue to serve the existing buildings until the renovation and expansion is complete including the installation of a new whole building generator.
 - ii. Phase 2- Construction of the additions.
 - iii. Phase 3- Renovations to Municipal and Police buildings, which may need to be done in microphases to maintain occupancy. We have included a phasing allowance acknowledging the likely costs associated with phasing requirements yet to be determined.
- c. The conceptual budget estimate for the proposed building renovations and additions and site improvements is \$34 Million and includes the construction costs associated with the anticipated asbestos containing material removals, the landfill replacement with structural fill and raising the Municipal addition building pad. We budgeted the basement renovations to be limited to mechanical, electrical, plumbing and fire protection to meet current building codes as the space will be designated for storage.



June 12, 2023
Page 5 of 5

CONCLUSIONS

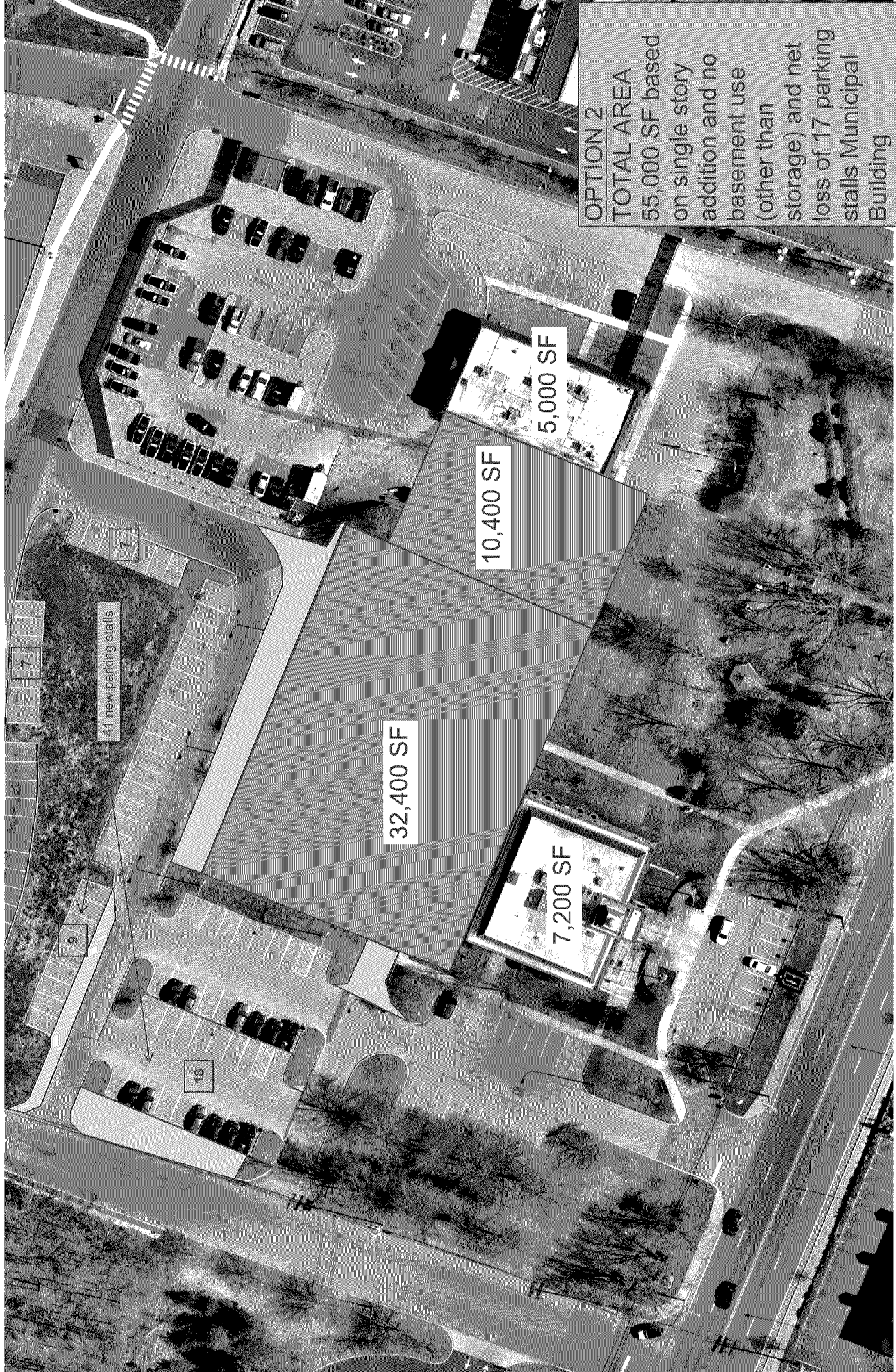
Conversations with NJDEP must be initiated to determine if a Landfill Disturbance Permit could be secured and if the increased impervious area for the proposed additions and site improvements would be accepted. This could represent an extensive effort to secure these approvals and ultimately delay the progress of the project. Furthermore, there are inefficiencies with this project approach such as the multi-phase construction and significant structural fill placement, extending the project duration and impacting Township operations throughout the project.

If you have any further questions or concerns, please do not hesitate to contact me.

Very truly yours,

T&M ASSOCIATES

ROBERT KOOCHAGIAN
PROJECT EXECUTIVE



OPTION 2
TOTAL AREA
55,000 SF based
on single story
addition and no
basement use
(other than
storage) and net
loss of 17 parking
stalls Municipal
Building

5,000 SF

10,400 SF

32,400 SF

7,200 SF

41 new parking stalls

9

18



TOWNSHIP OF LACEY
MUNICIPAL & POLICE BUILDING INVESTIGATION STUDY

BUILDING EXPANSION CONCEPTUAL BUDGET

ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	ITEM TOTAL	DIVISION TOTAL
Building Expansion/Renovation					
Municipal Building Expansion	32,500	SF	\$ 425.00	\$ 13,812,500	
Municipal Building Renovation - First Floor	7,200	SF	\$ 150.00	\$ 1,080,000	
Municipal Building Renovation - Basement (Limited)	7,200	SF	\$ 75.00	\$ 540,000	
Elevator Modernization - Municipal Building	1	LS	\$ 150,000.00	\$ 150,000	
Police Building Expansion	10,500	SF	\$ 425.00	\$ 4,462,500	
Police Building Renovation - First Floor	5,000	EA	\$ 150.00	\$ 750,000	
Police Building Renovation - Basement (Limited)	5,000	EA	\$ 75.00	\$ 375,000	
Phasing Allowance	1	EA	\$ 250,000.00	\$ 250,000	
	Division Total				\$ 21,420,000
Site Work Improvements					
Site Clearing/Demolition	1	LS	\$ 100,000.00	\$ 100,000	
Allowance: Excavate, dispose of landfill material and fill (Assumes 5' depth)	9000	CY	\$ 200.00	\$ 1,800,000	
Generator Relocation	2	EA	\$ 75,000.00	\$ 150,000	
Radio Tower Relocation	1	LS	\$ 250,000.00	\$ 250,000	
Municipal Building Pad Fill	9600	CY	\$ 55.00	\$ 528,000	
Entrance Improvements to Municipal Building	1	LS	\$ 100,000.00	\$ 100,000	
Stormwater Managment Allowance	1	LS	\$ 250,000.00	\$ 250,000	
Parking Lot Improvements	1,500	SY	\$ 75.00	\$ 112,500	
Parking Lot Lights	4	EA	\$ 7,500.00	\$ 30,000	
Sidewalk Improvements	1	LS	\$ 20,000.00	\$ 20,000	
Curbing Improvements	2,800	LF	\$ 25.00	\$ 70,000	
Lawn Restoration/Repair	1	LS	\$ 25,000.00	\$ 25,000	
Trees/Plantings/Landscape	1	LS	\$ 50,000.00	\$ 50,000	
Perimeter Fence Modifications (Police)	1	LS	\$ 25,000.00	\$ 25,000	
	Division Total				\$ 3,510,500
Utility Improvement Allowances					
Electrical Service Upgrade	1	LS	\$ 150,000.00	\$ 150,000	
Water Service Upgrade	1	LS	\$ 100,000.00	\$ 100,000	
Natural Gas Upgrade			By Utility		
Telecommunications Upgrade	1	LS	\$ 50,000.00	\$ 50,000	
Sewer Upgrades	1	LS	\$ 50,000.00	\$ 50,000	
	Division Total				\$ 350,000
CONSTRUCTION SUB-TOTAL					\$ 25,280,500
Local Building Permits (WAIVED)					- 1
General Contractor OH&P (10%)					\$ 2,528,050
General Conditions/Requirements (10%)					\$ 2,780,855
CONSTRUCTION TOTAL					\$ 30,589,405
OWNER PROVIDED ITEMS					
Asbestos Abatement - Municipal Building				\$ 325,000	
Asbestos Abatement - Police Building				\$ 110,000	
Contingency (10%)				\$ 3,102,440.50	
PROJECT TOTAL					\$ 34,126,846

Keyed Notes:

1. All building and local permits are waived.

General Notes:

1. This estimate is based on conceptual plans performed by T&M Associates and agreed upon by Lacey Township.
2. This estimate includes contingency, however may not represent the ongoing supply chain issues at time of bid.
3. This estimate is an engineering opinion of costs and is not a cost warranty/guarantee.
4. Cents are not shown on the cost breakdown for clarity.