

# Nauset Environmental Services, Inc.

an Air Quality Company.

19 September 2019

NES Job # 2-473  
Report No. NES/ASB-19/2363

Greg Monka  
Island Elderly Housing  
60B Village Road  
Vineyard Haven, MA 02568

Re: Pre-demolition asbestos inspection & sampling  
at 38 Wing Road (Oak Bluffs)

Dear Mr. Monka:

In response to ongoing authorization Nauset Environmental Services, Inc. (NES) sent a certified Massachusetts Asbestos Inspector, Alexander D. MacLellan to perform a Pre-demolition asbestos inspection and sampling at 38 Wing Road, on 11 September 2019 looking for suspect asbestos-containing building materials (ACBMs). This report is CONFIDENTIAL and proprietary and can only be distributed by or with the approval of the Client to whom it is addressed.

This inspection included photographic documentation found in Attachment A.

## **INSPECTION & OBSERVATIONS**

On 11 September Mr. MacLellan conducted a Pre-demolition asbestos inspection at the 38 Wing Road Oak Bluffs. Mr. MacLellan is an accredited Environmental Protection Agency (EPA) AHERA (Asbestos Hazard Emergency Response Act) asbestos inspector (#19-2161-106-237803) and is certified by the Commonwealth of Massachusetts as an Asbestos Inspector (#AI 900736).

**SITE BACKGROUND** – The house is scheduled to be demolished. When Alex arrived, the property was partially gutted. The current building configuration is a two-story uninsulated summer home with the original 1920's right section and two additions. The first addition was to the left of the original building and what will be referred to as the middle section then latter a second addition was added. The second addition is referred to as the left section. The original house interior living space consists of a back entry space and a front room and a staircase leading to one open room upstairs. The middle section consists of a large closet area a seating area and a bathroom. The Left side addition was comprised of a kitchen and dining area. There was a basement under the original house but NOT the two additions.

**INSPECTION ACTIVITIES** – After consulting with Greg Monka the areas of inspection were selected based on where suspect ACBM's were present.

P.O. Box 1385  
East Orleans, MA 02643

508/247-9167 [800/931-1151]  
FAX: 508/255-0738

1) **Thermal Systems:** There was no insulation on the piping on the oil heat thermal system (see photo) hence it was NOT sampled for suspect ACBMs.

2) **Surfacing:**

**Flooring:**

The sheet vinyl flooring and mastic in the middle section bathroom and shower area and the kitchen flooring in the Left side section were inspected for and sampled as suspect ACBMs. The rest of the house had wood flooring and, NOT sampled as suspect ACBM's.

**Ceilings & Interior Partition Walls:**

The plaster partition walls and ceilings in the back entry and front room of the original right section of the house were inspected for and sampled as suspect ACBM's. The other addition's walls and ceilings had been removed prior to this inspection, exposing the wood structure.

3) **Miscellaneous**

The asphalt roofs are suspect ACBM's and were inspected/sampled on the back shed. The windows were inspected/sampled as suspect ACBM's.

Table 1 summarizes the results of laboratory analyses of 15 layers of material by the appropriate EPA method as noted below.

The collected samples described above were sent with a Chain of Custody to IATL, Inc. (Mt. Laurel, NJ) for analysis for analysis for asbestos by Polarized Light Microscopy with Dispersion Staining in accordance with EPA/600/R-93/116 Test Method. IATL is part of the AIA Bulk Asbestos Proficiency Testing Program, AIHA's ELLAP accreditation program, NIST's NVLAP accreditation program and a Massachusetts licensed asbestos testing laboratory (#AA-000092). As noted above, the IATL results are found in Attachment B.

**SAMPLING RESULTS**

Table 1 summarizes the sampling locations and extracts analytical results from the full laboratory report and documentation in Attachment B.

**Table 1. Summary of analytical results for asbestos**  
(Photographs of sampling locations are found in Attachment A)  
(Yellow highlights indicate the presence of ASBESTOS above 1.0%.)

<u>Sample #</u>	<u>Location</u>	<u>Analytical results</u>
<b>Roof</b>		
#473-1	Shed - roofing	Grey/Black Shingle – <b>NO ASBESTOS DETECTED</b> Black Tar - <b>NO ASBESTOS DETECTED</b>
#473-2	Right side 1 <sup>st</sup> fl. – window	Off White Caulk - <b>NO ASBESTOS DETECTED</b>
#473-3	Left side 1 <sup>st</sup> fl. - window	White Caulk - <b>NO ASBESTOS DETECTED</b>
#473-4	Middle rear 1 <sup>st</sup> fl. – window	Off White Caulk <b>NO ASBESTOS DETECTED</b>
#473-5	Back entrance– wall	Off White Plaster <b>NO ASBESTOS DETECTED</b>



#473-6	Front room – ceiling	Off White Plaster - <b>NO ASBESTOS DETECTED</b>
#473-7	Middle closet – flooring	Off White Vinyl Sheet - <b>NO ASBESTOS DETECTED</b> Tan Mastic - <b>NO ASBESTOS DETECTED</b>
#473-8	Middle Bathroom – flooring	Tan Vinyl Sheet - <b>NO ASBESTOS DETECTED</b> Off White Vinyl Sheet - <b>NO ASBESTOS DETECTED</b>
#473-9	Middle shower – flooring	Lt Green Vinyl Sheet – <b>25% CHRYSOTILE asbestos</b> Tan Mastic – <b>PC Trace CHRYSOTILE asbestos</b>
#473-10	Left side Kitchen – flooring	Brown/Off White Vinyl sheet - <b>NO ASBESTOS DETECTED</b> Tan Mastic - <b>NO ASBESTOS DETECTED</b>

**SUMMARY & RECOMMENDATIONS**

From the asbestos results of the inspection, THERE WERE ACBMs identified in the house intended for demolition, but only in the shower; hence special handling is calling for a Massachusetts-licensed asbestos abatement contractor to remove the materials identified in Table 1, even though they ae small in area.

I trust the above information is satisfactory for your planning needs at this time.

Please call if there are any questions.

Attested by:

Attested by:

Alexander D MacLellan  
Asbestos Inspector (Massachusetts AI0900736)  
Senior Field Tech, CRMI  
CRMI=Certified residential mold inspector (#0604036)

THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT  
DEPARTMENT OF LABOR STANDARDS

William J. McKinney  
Director

Asbestos Inspector

ALEXANDER D. MACLELLAN

Eff. Date 05/24/19

Exp. Date 05/24/20

AI900736

Member of C.O.N.E.S.

BOSR BOS-RENEW

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## ATTACHMENT A

Photographs taken during site inspection & sampling



38 Wing Road 02649



There was an oil burner for heating and NO suspect ACBM's associated with the thermal system.



SAMPLING PHOTOS

Photos on the left are the samples and the right indicate the location in the house.



Samle 473-1 Shed roof Asphalt Shingle



Sample 473-2 Right side window Caulking

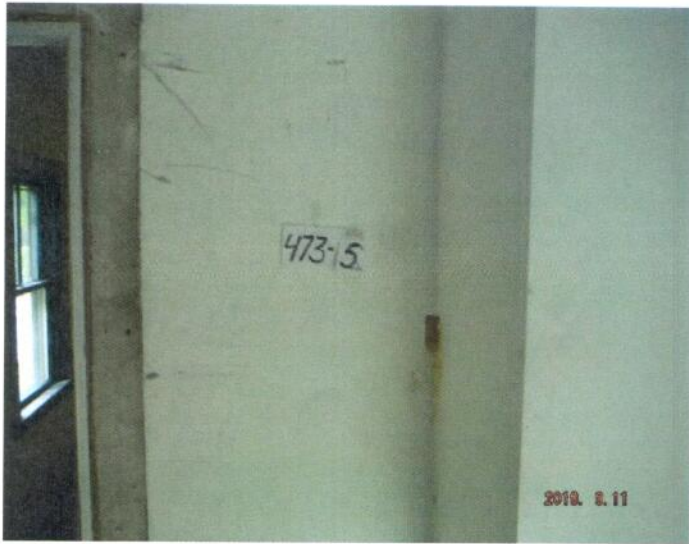


Sample 473-3 Left side window Caulking

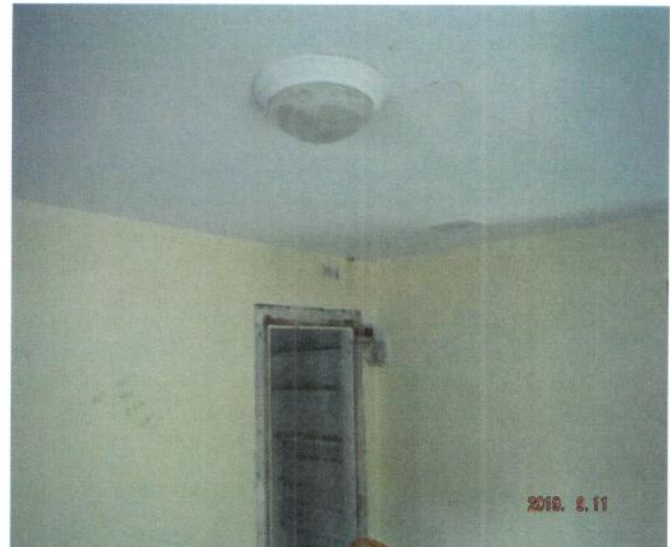


Sample 473-4 Middle back window Caulking





Sample 473-5 Back entrance hall wall Plaster



Sample 473-6 Front room ceiling Plaster



Sample 473-7 Middle closet flooring Sheet Vinyl



Sample 473-8 Middle bathroom flooring Sheet Vinyl







Sample 473-9 Middle bathroom shower flooring Sheet Vinyl



Sample 473-10 Left side kitchen flooring Sheet Vinyl

ATTACHMENT B

IATL Laboratory Reports

[NOTE: Left column contains the asbestos information]



9000 Commerce Parkway Suite B  
 Mt. Laurel, New Jersey 08054  
 Telephone: 856-231-9449  
 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Nauset Environmental Services  
 PO Box 1385  
 East Orleans MA 02643


Report Date: 9/17/2019  
 Report No.: 599536 - PLM  
 Project: Island Elder Housing  
 Project No.: 2473

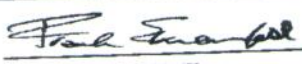
Client: NAU203

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 6876870 <b>Client No.:</b> 473-1 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Black/Grey Shingle <b>Client Description:</b> Asphalt <u>Percent Non-Asbestos Fibrous Material:</u> 15 Fibrous Glass	<b>Location:</b> Shed Roof <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 85
<b>Lab No.:</b> 6876870(L2) <b>Client No.:</b> 473-1 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Black Tar <b>Client Description:</b> Asphalt <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<b>Location:</b> Shed Roof <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 6876871 <b>Client No.:</b> 473-2 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Off-White Caulk <b>Client Description:</b> Window Caulk <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<b>Location:</b> Right Side 1st Floor <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 6876872 <b>Client No.:</b> 473-3 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> White Caulk <b>Client Description:</b> Window Caulk <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<b>Location:</b> Left Side 1st Floor <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 6876873 <b>Client No.:</b> 473-4 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Off-White Caulk <b>Client Description:</b> Window Caulk <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<b>Location:</b> Middle Rear <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 6876874 <b>Client No.:</b> 473-5 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Off-White Plaster <b>Client Description:</b> Wall Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 4 Cellulose	<b>Location:</b> Back Entrance <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 96

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 9/13/2019  
 Date Analyzed: 09/17/2019  
 Signature:   
 Analyst: Ellen Smith

Approved By:   
 Frank E. Ehrenfeld, III  
 Laboratory Director

Dated : 9/18/2019 3:53:20

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 Mt. Laurel, New Jersey 08054  
 Telephone: 856-231-9449  
 Email: customerservice@iatl.com

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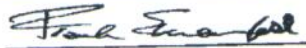
Client: Nauset Environmental Services PO Box 1385 East Orleans MA 02643	Report Date: 9/17/2019 Report No.: 599536 - PLM Project: Island Elder Housing Project No.: 2473
Client: NAU203	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6876875 Client No.: 473-6 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Off-White Plaster <b>Client Description:</b> Ceiling Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 3 Cellulose 2 Hair	<b>Location:</b> Front Room <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 95
Lab No.: 6876876 Client No.: 473-7 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Off-White Vinyl Sheet Flooring <b>Client Description:</b> Sheet Vinyl Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 25 Cellulose 2 Fibrous Glass	<b>Location:</b> Middle Closet <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 73
Lab No.: 6876876(I.2) Client No.: 473-7 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Tan Mastic <b>Client Description:</b> Sheet Vinyl Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<b>Location:</b> Middle Closet <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 99
Lab No.: 6876877 Client No.: 473-8 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Lt Tan Vinyl Sheet Flooring <b>Client Description:</b> Sheet Vinyl Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 13 Cellulose 3 Fibrous Glass	<b>Location:</b> Middle Bathroom <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 84
Lab No.: 6876877(I.2) Client No.: 473-8 <u>Percent Asbestos:</u> <i>None Detected</i>	<b>Analyst Observation:</b> Off-White Vinyl Sheet Flooring <b>Client Description:</b> Sheet Vinyl Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 2 Fibrous Glass	<b>Location:</b> Middle Bathroom <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 98
Lab No.: 6876878 Client No.: 473-9 <u>Percent Asbestos:</u> <i>25 Chrysotile</i>	<b>Analyst Observation:</b> Lt Green Vinyl Sheet Flooring <b>Client Description:</b> Sheet Vinyl Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	<b>Location:</b> Middle Bathroom Shower <b>Facility:</b> <u>Percent Non-Fibrous Material:</u> 65

Please refer to the Appendix of this report for further information regarding your analysis

Date Received: 9/13/2019  
 Date Analyzed: 09/17/2019  
 Signature: \_\_\_\_\_  
 Analyst: Ellen Smith

Approved By:   
 Frank E. Ehrenfeld, III  
 Laboratory Director



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PO Box 1385  
East Orleans MA 02643

Report Date: 9/17/2019  
Report No.: 599536 - PLM  
Project: Island Elder Housing  
Project No.: 2473

Client: NAU203

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6876878(L2)  
Client No.: 473-9  
Percent Asbestos:  
**PC Trace Chrysotile**

**Analyst Observation:** Tan Mastic  
**Client Description:** Sheet Vinyl Flooring  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:** Middle Bathroom Shower  
**Facility:**  
Percent Non-Fibrous Material:  
100

Lab No.: 6876879  
Client No.: 473-10  
Percent Asbestos:  
**None Detected**

**Analyst Observation:** Brown/Off-White Vinyl Sheet Flooring  
**Client Description:** Sheet Vinyl Flooring  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
7 Fibrous Glass


**Location:** Kitchen  
**Facility:**  
Percent Non-Fibrous Material:  
83


Lab No.: 6876879(L2)  
Client No.: 473-10  
Percent Asbestos:  
**None Detected**

**Analyst Observation:** Tan Mastic  
**Client Description:** Sheet Vinyl Flooring  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:** Kitchen  
**Facility:**  
Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 9/13/2019  
Date Analyzed: 09/17/2019  
Signature:   
Analyst: Ellen Smith

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

Dated : 9/18/2019 3:53:21

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## Appendix to Analytical Report

**Customer Contact:** Bill Vaughan

**Method:** 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, and USEPA 600/R93-116 as needed

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

**iATL Customer Service:** customerservice@iatl.com  
**iATL Office Manager:** wchampion@iatl.com  
**iATL Account Representative:** Kelly Klippel  
**Sample Login Notes:** See Batch Sheet Attached  
**Sample Matrix:** Bulk Building Materials  
**Exceptions Noted:** See Following Pages

### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at [www.iatl.com](http://www.iatl.com) and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA-LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

### Information Pertinent to this Report:

Analysis by US EPA 600/93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

### Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives. Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM. ELAP 198.6 (PLM-NOB). ELAP 198.4 (TEM-NOB).

Dated : 9/18/2019 3:53:21

Page 4 of 6



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Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600/R-4/004 (multi-tiered analytical process)  
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): FLAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

### Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at [customerservice@iatl.com](mailto:customerservice@iatl.com).

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

### Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gangue, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

IATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004)

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) [www.atsdr.cdc.gov](http://www.atsdr.cdc.gov), United States Geological Survey (USGS) [www.minerals.usgs.gov/minerals/](http://www.minerals.usgs.gov/minerals/), US EPA [www.epa.gov/asbestos](http://www.epa.gov/asbestos). The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional.

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) Analytical Step/Method: Initial Screening by PLM, EPA 600R-93/116  
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% T.O.C. for most samples
- 2) Analytical Step/Method: Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
Requirements/Comments: Minimum 50g\*\* of dry sample. Analysis of "Sinks" only

Dated: 9/18/2019 3:53:21

Page 5 of 6

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CERTIFICATE OF ANALYSIS

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Client: Nauset Environmental Services  
PO Box 1385  
East Orleans MA 02643

Report Date: 9/17/2019  
Report No.: 599536 - PLM  
Project: Island Elder Housing  
Project No.: 2473

Client: NAU203

3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Floats" only.

4) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

5) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Suspension" only.

LOQ: Limit of Quantitation estimates for mass and volume analyses.

\*With advance notice and confirmation by the laboratory.

\*\*Approximately 1 liter of sample in double-bagged container (~9x6 inch bag of sample).





9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054  
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

## Chain of Custody

-Bulk Asbestos-

<b>Contact Information</b>	
<b>Client Company:</b> Nauset Environmental Services, Inc <b>Office Address:</b> P.O. Box 1385 <b>City, State, Zip:</b> East Orleans, MA 02643-1385 <b>Fax Number:</b> 508-255-0738 <b>Email Address:</b> nesinfo1@gmail.com <i>cc BZBYDAC@ROL.COM</i>	<b>Project Number:</b> <u>2473</u> <b>Project Name:</b> <u>Island Elderly Housing</u> <b>Primary Contact:</b> Alex MacLellan + Bill Vaughan <b>Office Phone:</b> 508-247-9167 <b>Cell Phone:</b> 508-364-2127 A; 508-237-3012

<b>PLM Instructions:</b>	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010 <input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009  <input type="checkbox"/> PLM: Point Counting <input type="checkbox"/> PC: via ELAP 198.1 <input type="checkbox"/> PC: 400 Points <input type="checkbox"/> PC: 800 Points * <input type="checkbox"/> PC: 1600 Points *  <input type="checkbox"/> PLM: Instructions for Multi-Layered Samples <input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600 <input type="checkbox"/> Report Composite for Drywall Systems per NESHAP <input type="checkbox"/> Report All Layers and Composite Where Applicable <input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> PLM: Analyze Until Positive (Positive Stop) <input type="checkbox"/> AUP: by Homogenous Area as Noted <input type="checkbox"/> AUP: by Material Type as Noted <input type="checkbox"/> PLM: NOB via 198.6 <input type="checkbox"/> PLM: Friable via EPA 600 2.3 <input type="checkbox"/> If <1% by PLM, to TEM via 198.4 * <input type="checkbox"/> If <1% by PLM, Hold for Instructions  <input type="checkbox"/> PLM: Non-Building Material ** (Dust, Wipe, Tape) <input type="checkbox"/> Soil or Vermiculite Analysis <input type="checkbox"/> CARB 435
<b>Special Instructions:</b> _____ <small>* Additional charge and turnaround may be required    ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory</small>	

<b>Turnaround Time</b>	
Preliminary Results Requested Date: _____ <small>Specific date / time</small> <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
<small>* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***</small>	

<b>Chain of Custody</b>			
Relinquished (Name/Organization):	<u>Nauset Environmental Services</u>	Date:	<u>11/09/12</u>
Received (Name / iATL):	<u>Alex MacLellan</u>	Date:	<u>11/09/12</u>
Sample Login (Name / iATL):	<u>SBC</u>	Date:	<u>11-13-12</u>
Analysis(Name(s) / iATL):	<u>[Signature]</u>	Date:	<u>11/17/12</u>
QA/QC Review (Name / iATL):	<u>[Signature]</u>	Date:	<u>11/17/12</u>
Archived / Released:	QA/QC InterLAB Use:	Date:	Time:



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054  
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

## Sample Log

-Bulk Asbestos-

Client: Nauset Environmental Services Project: 2-473 ISLAND ELDER HOUSING

Sampling Date/Time: 19 09 11 12:00

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
473-1	6876870	SHED ROOF / ASPHALT	
473-2	6876871	RIGHT SIDE 1st FLOOR / WINDOW CAULK	
473-3	6876872	LEFT SIDE 1st FLOOR / WINDOW CAULK	
473-4	6876873	MIDDLE REAR / WINDOW CAULK	
473-5	6876874	BACK ENTRANCE / WALL PLASTER	
473-6	6876875	FRONT ROOM / CEILING PLASTER	
473-7	6876876	MIDDLE CLOSET / SHEET VINYL FLOORING	
473-8	6876877	MIDDLE BATHROOM / SHEET VINYL FLOORING	
473-9	6876878	MIDDLE BATHROOM SHOWER / SHEET VINYL FLOORING	
473-10	6876879	KITCHEN / SHEET VINYL FLOORING	