



A Service Disabled Veteran  
Owned Small Business

TTI Environmental Incorporated  
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**PROJECT REPORT**

*for the*

**ASBESTOS AND LEAD BASED PAINT SURVEY**

*conducted on*

November 24 – 26 & December 12, 2014

*at the*

**Channel Drive**  
Point Pleasant, New Jersey

*for*

**Dewberry**  
600 Parsippany Road, Suite 301  
Parsippany, New Jersey 07054

Project No. 14-1446

January 4, 2014



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## **1.0 INTRODUCTION**

TTI Environmental, Inc. (TTI) was retained by Dewberry to perform an asbestos and lead based paint survey of five (5) buildings on Channel Drive in Point Pleasant, New Jersey on November 24 – 26 & December 12, 2014.

The buildings inspected are located at the following addresses:

- 205 Channel Drive
- 205B Channel Drive
- 205C Channel Drive
- 209 Channel Drive
- 301 Channel Drive

The work performed as part of this project was completed to meet the following objectives:

1. Identify regulated ACM (friable or non-friable) at the site that could become friable during the proposed renovation/demolition activities, and according to current State and Federal regulations, would require abatement prior to initiating demolition activities.
2. Identify lead-based paint (LBP) surfaces that have the potential to be disturbed during renovation/demolition activities, and if classified as lead-based paint, require abatement and/or special management prior to demolition activities.

This report summarizes the findings of our pre-renovation/demolition hazardous materials survey.



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## **2.0 SURVEY INFORMATION**

The asbestos inspection was performed by United States Environmental Protection Agency (USEPA) Accredited Building Inspectors, William Clark (#ACC-0414-6-0414), Kris Smith (42544) and Curt Sims (#ACC-0214-6-010), who conducted a detailed visual examination of the facility for suspect ACBM. This included collecting bulk samples, as well as quantifying both friable and non-friable suspect asbestos containing materials. The lead-based paint testing was conducted by New Jersey Lead Inspector/Risk Assessors, William Clark (026025) and Curt Sims (026209), which included the testing of suspect lead-based paint coated components with a portable X-Ray Fluorescence spectrum analyzer (XRF). A walk-through reconnaissance of the structure was conducted to identify suspect ACM and Lead-Based Paint.

### **2.1 ASBESTOS**

#### **2.1.1 General Information and Definitions**

For the purpose of this assessment, each of the above-identified structures was considered as one functional area as defined by the Asbestos Hazard Emergency Response Act (AHERA). Upon completion of the reconnaissance, the suspect ACM was assessed, inventoried, and sampled for laboratory analysis.

The following definitions apply to this report:

- The EPA defines ACM as any material that contains greater than one percent asbestos. Materials found to contain one percent or less asbestos are not regulated as ACM.
- Friable ACM is defined as any material that contains greater than one percent asbestos, and which can be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent asbestos. Category I non-friable ACM is not allowed to remain in place during renovation or demolition if it is in a condition where the renovation/demolition activities might cause it to become friable.
- Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than one percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to a powder by hand pressure. Category II non-friable ACM is not allowed to remain in place during renovation or demolition if it has a high probability of becoming crumbled, pulverized, or reduced to a powder during renovation, demolition, transport, or disposal.



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**2.0 SURVEY INFORMATION (CONTINUED)**

**2.1 ASBESTOS - CONTINUED**

**2.1.2 Results**

Laboratory analysis of the suspect materials revealed that seventeen (17) of the materials sampled have an asbestos content of greater than one percent (1%). A complete summary of the materials sampled can be found in Appendix B. The US Environmental Protection Agency (EPA) defines asbestos-containing materials as those materials that contain greater than 1% asbestos.

<b>Table 1.0: List of Asbestos-Containing Materials</b>			
<b>Material</b>	<b>Location</b>	<b>Estimated Quantities</b>	<b>% Asbestos</b>
<b>205 Channel Drive</b>			
9'x9" Black Floor Tile/Mastic	1 <sup>st</sup> Floor	480 SF	4%
9'x9" Tan Floor Tile/Mastic	1 <sup>st</sup> Floor	480 SF	4%
<b>205B Channel Drive</b>			
Transite Shingles	Outside	625 SF	20%
Chimney Flashing	Outside	960 SF	20%
9'x9" Red Floor Tile/Mastic	Living Area	480 SF	10%
9'x9" Black Floor Tile/Mastic	Living Area	480 SF	8%
Light Green Linoleum/Mastic	Kitchen	480 SF	20%
12'x12" White Floor Tile/Mastic	Bedroom #1	480 SF	3%
12'x12" Multi-Tan Floor Tile/Mastic	Kitchen	480 SF	4%
Wall Separation	Bedroom #2	480 SF	8%
<b>205C Channel Drive</b>			
12"x12" Tan Floor Tile/Mastic	North Storage	800 SF	2%
12"x12" Green Floor Tile/Mastic	North West Storage	800 SF	2%
<b>209 Channel Drive</b>			
None of the materials sampled have an asbestos content of greater than one percent (1%). However, the second floor of the structure was unsafe to access and therefore inaccessible at the time of inspection. Any suspicious materials identified during the renovation/demolition activities must be samples prior to initiating activities that would impact them.			
<b>301 Channel Drive</b>			
Vent/Perimeter Flashing	Outside		12%

The US Environmental Protection Agency (EPA) defines asbestos-containing materials as those materials that contain greater than 1% asbestos.

TTI recommends sampling any materials not identified in this report prior to the commencement of renovation activities that would impact them. Any required abatement activities should be performed by a licensed asbestos abatement contractor and be compliant to all applicable local, state and federal regulations.



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## **2.0 SURVEY INFORMATION (CONTINUED)**

### **2.1 ASBESTOS - CONTINUED**

#### **2.1.2 Results (Continued)**

During the inspection, all accessible materials were assessed and bulk sampled, and therefore, included within this inspection report. Voids above ceilings, behind walls, and beneath floors were not assessed, and any concealed materials were not bulk sampled. Due to these conditions, TTI recommends that a qualified person continuously oversee all renovation/demolition activities once they commence. During the renovation/demolition procedures, if a suspicious material is exposed that was previously inaccessible, then all renovation/demolition activities in that area of the building shall immediately stop. The appropriate number of bulk samples shall be collected of the previously unidentified materials and analyzed at a certified laboratory. Once the suspicious materials contents have been confirmed, a decision can be determined of how to proceed. If the material is discovered to be Non Detected for the presence of asbestos, then the renovation/demolition activities may resume as planned. If the material is discovered to be asbestos containing, then a certified and licensed asbestos abatement contractor must be retained to properly handle and dispose of the material according to all applicable local, state and federal regulations.



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## **2.0 SURVEY INFORMATION (CONTINUED)**

### **2.2 LEAD-BASED PAINT**

#### **2.2.1 General Information and Definitions**

A visual inspection of all painted surfaces was performed and XRF Testing of all painted surfaces within the facility was conducted. All testing combinations identified within each functional space of the building was assessed and tested. The condition of all painted surfaces was then documented. In addition, concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled after renovation/demolition.

The Lead-Based Paint inspection consisted of the testing of painted surfaces using a portable X-Ray Fluorescence spectrum analyzer (XRF). The painted building components within the proposed demolition areas were assessed on a room-by-room basis. The XRF used in this inspection was the Niton LLC XLP 300 X-ray Fluorescence analyzer (S/N 81351, NJ License No. 013-E). The XLP 3001 is a spectrum analyzer that provides an on-site lead concentration of a painted surface in milligrams per square centimeter of painted surface ( $\text{mg}/\text{cm}^2$ ).

Based on current regulatory definitions, lead-based paint is defined as paint containing lead concentrations equal to or greater than 1.0 milligrams per square centimeter ( $\text{mg}/\text{cm}^2$ ) when using a X-ray Fluorescence analyzer. The XRF provides the measured lead concentration in weight of lead per unit area. Calibration checks of the XRF were frequently conducted and are recorded with the test data included in Appendix F. The test results along with test location, component, substrate, and date, are recorded on the tables in Appendix F. No paint chip sampling or laboratory analysis was performed as part of the sampling activities. Interior sides of the rooms are identified upon the location of the street relative to the facility. Side A faces the street and goes clockwise to Side D.

The HUD Guidelines define Lead-Based Paint, when analyzed by a portable XRF, as paint with a lead concentration of greater than or equal to  $1.0 \text{ mg}/\text{cm}^2$ . It should be noted, however, that Occupational Safety and Health Administration (OSHA) regulations apply to any detectable concentrations of lead in paint.



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**2.0 SURVEY INFORMATION (CONTINUED)**

**2.2 LEAD-BASED PAINT**

**2.2.2 Results**

None of the building components tested at the facilities yielded lead concentrations that were greater than or equal to 1.0 mg/cm<sup>2</sup> and, **based on HUD's definition, should be considered to contain lead based paint unless additional testing of such components determines otherwise. The HUD Guidelines define Lead-Based Paint, when analyzed by a portable XRF, as paint with a lead concentration of greater than or equal to 1.0 mg/cm<sup>2</sup>.** Additional testing, including paint chip sampling and laboratory analysis, may serve to confirm or deny the presence of lead-based paint on these components. The results of paint chip sampling and analysis are generally considered to be more reliable than XRF readings. A complete summary of all suspect lead based paint components tested can be found in Appendix F.

<b>Table 2.0: Lead-Based Paint Positive Results Summary</b>				
<b>Location</b>	<b>Structure</b>	<b>Substrate</b>	<b>Color</b>	<b>Lead Reading (mg/cm<sup>2</sup>)</b>
<b>205 Channel Drive</b>				
None of the building components tested at the facilities yielded lead concentrations that were greater than or equal to 1.0 mg/cm <sup>2</sup>				
<b>205B Channel Drive</b>				
None of the building components tested at the facilities yielded lead concentrations that were greater than or equal to 1.0 mg/cm <sup>2</sup>				
<b>205C Channel Drive</b>				
None of the building components tested at the facilities yielded lead concentrations that were greater than or equal to 1.0 mg/cm <sup>2</sup>				
<b>209 Channel Drive</b>				
None of the building components tested at the facilities yielded lead concentrations that were greater than or equal to 1.0 mg/cm <sup>2</sup>				
<b>301 Channel Drive</b>				
None of the building components tested at the facilities yielded lead concentrations that were greater than or equal to 1.0 mg/cm <sup>2</sup>				





**APPENDIX A:**  
SITE DIAGRAM

WILLS HOLE THOROUGHFARE

EASTERLY 62' +/- ALONG LOW WATER LINE

N 01°03'16" W 36.24'

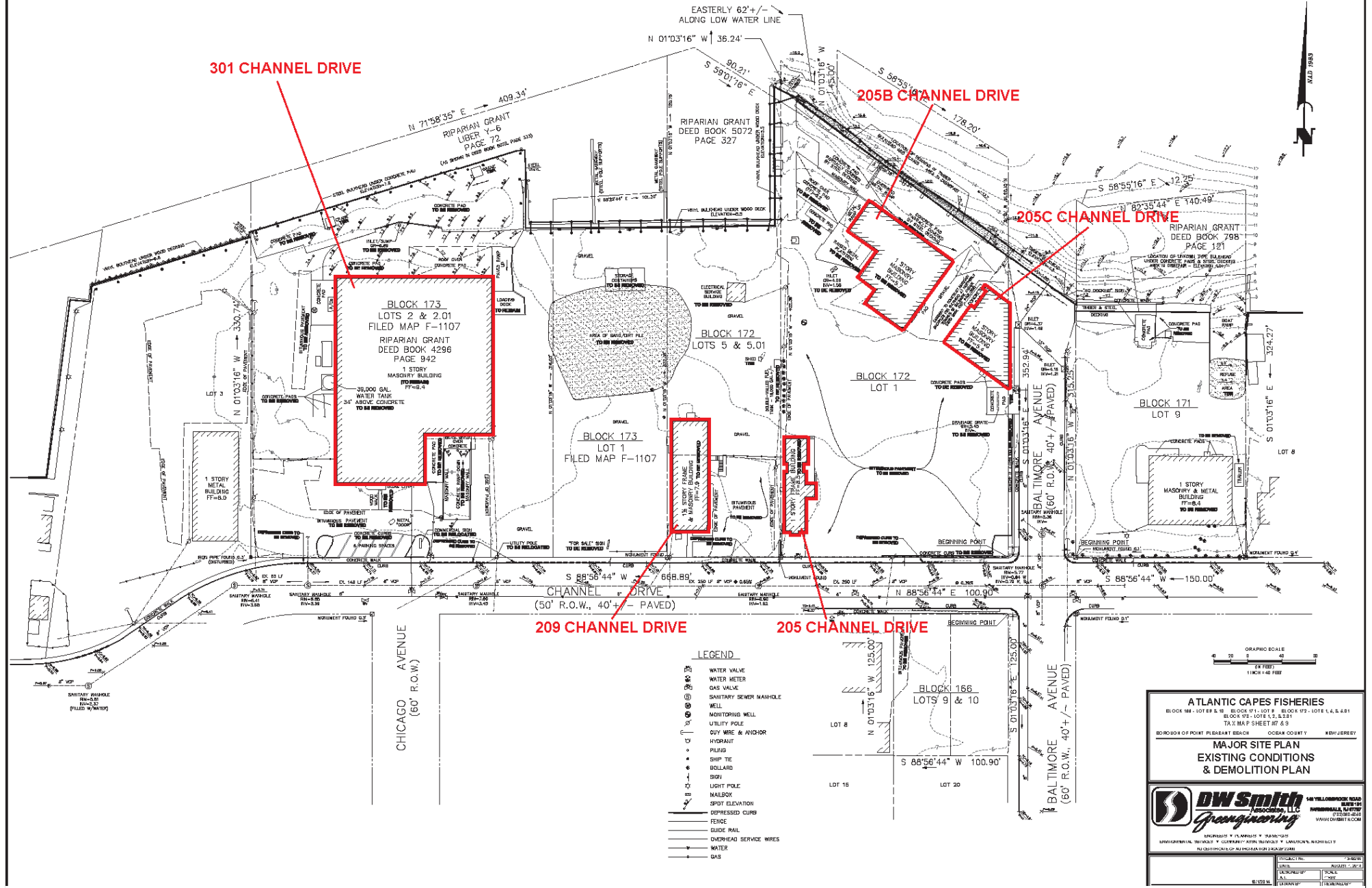
301 CHANNEL DRIVE

205B CHANNEL DRIVE

205C CHANNEL DRIVE

209 CHANNEL DRIVE

205 CHANNEL DRIVE



**ATLANTIC CAPES FISHERIES**  
 BLOCK 166 - LOTS 9 & 10, BLOCK 171 - LOT 9, BLOCK 172 - LOTS 5 & 5.01, BLOCK 173 - LOTS 2, 2.01, 5 & 5.01  
 TAX MAP SHEET #7 & 8  
 BOROUGH OF POINT PLEASANT BEACH OCEAN COUNTY NJ 08742

**MAJOR SITE PLAN  
 EXISTING CONDITIONS  
 & DEMOLITION PLAN**

**DW Smith**  
*Engineering*

REGISTERED PROFESSIONAL ENGINEER  
 LICENSE NO. 21014  
 CIVIL ENGINEERING  
 100 W. YELLOWSTONE BLVD. SUITE 100  
 HIGHLAND PARK, NJ 07030  
 WWW.DWSMITH.COM

DATE: 12/2014  
 DRAWING NO.: FIG-1

**TTI Environmental, Inc.**  
 www.ttienv.com

**DEWBERRY  
 CHANNEL DRIVE**  
 Point Pleasant Beach, New Jersey

SCALE: NTS  
 PROJECT: 14-1446

DRAWN BY: DC  
 APP'D BY: MS

DATE: 12/2014  
 DRAWING NO.: FIG-1



**APPENDIX B:**

**ASBESTOS – LIST OF MATERIALS**



## List of Materials

<i>Homogeneous</i> No.	<i>Material Name</i>	<i>Type of Material</i>	<i>Material</i> <i>Contains &gt;1%</i>
<b>205 Channel Drive</b>			
205-01	Transite Shingles	Miscellaneous	Yes
205-02	Roof Shingles	Miscellaneous	No
205-03	Tar Paper	Miscellaneous	No
205-04	Chimney Flashing	Miscellaneous	Yes
205-05	9"x9" Red Floor Tile/Mastic	Miscellaneous	Yes
205-06	9"x9" Black Floor Tile/Mastic	Miscellaneous	Yes
205-07	Drywall/Spackle	Miscellaneous	No
205-08	Light Green Linoleum	Miscellaneous	Yes
205-09	12"x12" White Floor Tile/Mastic	Miscellaneous	Yes
205-10	12"x12" Multi-Tan Floor Tile/Mastic	Miscellaneous	Yes
205-11	Wall Separation	Miscellaneous	Yes
<b>205B Channel Drive</b>			
205B-01	Drywall/Spackle	Miscellaneous	No
205B-R01	Flat Roof	Miscellaneous	No
205B-R02	Roof Flashing	Miscellaneous	No
205B-R03	Shingle Roof	Miscellaneous	No
<b>205C Channel Drive</b>			
205C-01	Drywall/Spackle	Miscellaneous	No
205C-02	12"x12" Tan Floor Tile/Mastic	Miscellaneous	No
205C-03	12"x12" Green Floor Tile/Mastic	Miscellaneous	No
205C-04	Transite Panels	Miscellaneous	No
205C-R01	Flat Roof	Miscellaneous	Yes
205C-R02	Roof Flashing	Miscellaneous	Yes
<b>209 Channel Drive</b>			
209-01	9"x9" Black Floor Tile/Mastic	Miscellaneous	Yes
209-02	9"x9" Tan Floor Tile/Mastic	Miscellaneous	Yes
209-03	Drywall/Spackle	Miscellaneous	No
209-04	Exterior Stucco	Miscellaneous	No
209-05	Flat Roof Field	Miscellaneous	No
209-06	Flat Roof Flashing	Miscellaneous	No
209-07	Flue Patch	Miscellaneous	No



## *List of Materials*

<i>Homogeneous No.</i>	<i>Material Name</i>	<i>Type of Material</i>	<i>Material Contains &gt;1%</i>
209-08	Roof Shingles	Miscellaneous	No
<b>301 Channel Drive</b>			
301-01	Drywall/Spackle	Miscellaneous	No
301-02	Plaster Ceiling	Surfacing	No
301-03	Tile Grout	Miscellaneous	No
301-04	Mortar Bed	Miscellaneous	No
301-05	2'x4' Ceiling Tile, Textured	Miscellaneous	No
301-06	Black Mastic on Wall	Miscellaneous	No
301-07	Fiberboard	Miscellaneous	No
301-08	White Linoleum	Miscellaneous	No
301-R01	Flat Roof	Miscellaneous	No
301-R02	Vent/Perimeter Flashing	Miscellaneous	Yes



**APPENDIX C:**

ASBESTOS – ASBESTOS SUMMARY



## Asbestos Summary

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<i>Location</i>	<i>Hom No.</i>	<i>Material Name</i>	<i>Amount Units</i>
<b><u>205 Channel Drive</u></b>			
Bedroom #1	205-09	12"x12" White Floor Tile/Mastic	100 SF
Bedroom #2	205-11	Wall Separation	40 SF
	205-08	Light Green Linoleum	350 SF
Kitchen	205-10	12"x12" Multi-Tan Floor Tile/Mastic	140 SF
	205-08	Light Green Linoleum	150 SF
	205-06	9"x9" Black Floor Tile/Mastic	80 SF
Living Area	205-06	9"x9" Black Floor Tile/Mastic	65 SF
	205-05	9"x9" Red Floor Tile/Mastic	300 SF
Outside under Siding	205-04	Chimney Flashing	8 SF
	205-01	Transite Shingles	3,300 SF
<b><u>205C Channel Drive</u></b>			
Roof	205C-R02	Roof Flashing	270 LF
	205C-R01	Flat Roof	4,500 SF
<b><u>209 Channel Drive</u></b>			
1st Floor	209-02	9"x9" Tan Floor Tile/Mastic	400 SF
	209-01	9"x9" Black Floor Tile/Mastic	2,160 SF
<b><u>301 Channel Drive</u></b>			
Roof	301-R02	Vent/Perimeter Flashing	700 LF

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**APPENDIX D:**

ASBESTOS – MATERIAL REPORT



# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-01  
**Material Name:** Transite Shingles  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside under Siding	3,300	SF
	<i>Total</i>	3,300	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-01 - 1B	11/25/14	Outside
205-01 - 2B	11/25/14	Outside
205-01 - 3B	11/25/14	Outside

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-02  
**Material Name:** Roof Shingles  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside under Siding	6,000	SF
	<i>Total</i>	6,000	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-02 - 4B	11/25/14	Outside
205-02 - 5B	11/25/14	Outside
205-02 - 6B	11/25/14	Outside

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-03  
**Material Name:** Tar Paper  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside under Siding	6,000	SF
	<i>Total</i>	6,000	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-03 - 7B	11/25/14	Outside
205-03 - 8B	11/25/14	Outside
205-03 - 9B	11/25/14	Outside

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-04  
**Material Name:** Chimney Flashing  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside under Siding	8	SF
	<i>Total</i>	8	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-04 - 10B	11/25/14	Outside
205-04 - 11B	11/25/14	Outside
205-04 - 12B	11/25/14	Outside

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-05  
**Material Name:** 9"x9" Red Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Living Area	300	SF
	<i>Total</i>	300	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-05 - 13B	11/25/14	Living Area
205-05 - 14B	11/25/14	Living Area
205-05 - 15B	11/25/14	Living Area

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-06  
**Material Name:** 9"x9" Black Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Kitchen	80	SF
	Living Area	65	SF
	<i>Total</i>	145	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-06 - 16B	11/25/14	Living Area
205-06 - 17B	11/25/14	Living Area
205-06 - 18B	11/25/14	Living Area

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-07  
**Material Name:** Drywall/Spackle  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Bedroom #1	220	SF
	<i>Total</i>	220	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-07 - 19B	11/25/14	Bedroom #1
205-07 - 20B	11/25/14	Bedroom #1
205-07 - 21B	11/25/14	Bedroom #2

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-08  
**Material Name:** Light Green Linoleum  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Bedroom #2	350	SF
	Kitchen	150	SF
	<i>Total</i>	500	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-08 - 22B	11/25/14	Kitchen
205-08 - 23B	11/25/14	Kitchen
205-08 - 24B	11/25/14	Kitchen



# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-09  
**Material Name:** 12"x12" White Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Bedroom #1	100	SF
	<i>Total</i>	100	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-09 - 25B	11/25/14	Bedroom #1
205-09 - 26B	11/25/14	Bedroom #1
205-09 - 27B	11/25/14	Bedroom #1

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-10  
**Material Name:** 12"x12" Multi-Tan Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Kitchen	140	SF
	<i>Total</i>	140	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-10 - 28B	11/25/14	Kitchen
205-10 - 29B	11/25/14	Kitchen
205-10 - 30B	11/25/14	Kitchen

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205-11  
**Material Name:** Wall Separation  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Bedroom #2	40	SF
	<i>Total</i>	40	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
205-11 - 31B	11/25/14	Bedroom #2
205-11 - 32B	11/25/14	Bedroom #2
205-11 - 33B	11/25/14	Bedroom #2



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 041434977  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

**Attn:** Michael Stocku  
TTI Environmental Inc.  
1253 North Church Street  
Moorestown, NJ 08057  
**Phone:** (856) 840-8800  
**Fax:** (856) 840-8815  
**Collected:** 11/25/2014  
**Received:** 11/25/2014  
**Analyzed:** 12/02/2014  
**Proj:** 14-1446 / Dewberry / 305A Channel Ave

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 01-1B **Lab Sample ID:** 041434977-0001  
**Sample Description:** Outside/Transite shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Gray	0%	80%	20% Chrysotile	

**Client Sample ID:** 01-2B **Lab Sample ID:** 041434977-0002  
**Sample Description:** Outside/Transite shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 01-3B **Lab Sample ID:** 041434977-0003  
**Sample Description:** Outside/Transite shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 02-4B **Lab Sample ID:** 041434977-0004  
**Sample Description:** Outside/Roof shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	15%	85%	None Detected	
TEM Grav. Reduction	12/02/2014	Black	0.0%	100%	None Detected	

**Client Sample ID:** 02-5B **Lab Sample ID:** 041434977-0005  
**Sample Description:** Outside/Roof shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	15%	85%	None Detected	

**Client Sample ID:** 02-6B **Lab Sample ID:** 041434977-0006  
**Sample Description:** Outside/Roof shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/30/2014	Gray/Black	15%	85%	None Detected	

**Client Sample ID:** 03-7B **Lab Sample ID:** 041434977-0007  
**Sample Description:** Outside/Tar paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	60%	40%	None Detected	
TEM Grav. Reduction	12/02/2014	Black	0.0%	100%	None Detected	



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<http://www.EMSL.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order ID: 041434977  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 03-8B **Lab Sample ID:** 041434977-0008  
**Sample Description:** Outside/Tar paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	60%	40%	None Detected	

**Client Sample ID:** 03-9B **Lab Sample ID:** 041434977-0009  
**Sample Description:** Outside/Tar paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/30/2014	Black	60%	40%	None Detected	

**Client Sample ID:** 04-10B **Lab Sample ID:** 041434977-0010  
**Sample Description:** Outside/Chimney flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	15%	65%	20% Chrysotile	

**Client Sample ID:** 04-11B **Lab Sample ID:** 041434977-0011  
**Sample Description:** Outside/Chimney flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 04-12B **Lab Sample ID:** 041434977-0012  
**Sample Description:** Outside/Chimney flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 05-13B-Floor Tile **Lab Sample ID:** 041434977-0013  
**Sample Description:** Living area/9x9 red floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Red	0%	90%	10% Chrysotile	

**Client Sample ID:** 05-13B-Mastic **Lab Sample ID:** 041434977-0013A  
**Sample Description:** Living area/9x9 red floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 05-14B-Floor Tile **Lab Sample ID:** 041434977-0014  
**Sample Description:** Living area/9x9 red floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	



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EMSL Order ID: 041434977  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 05-14B-Mastic **Lab Sample ID:** 041434977-0014A  
**Sample Description:** Living area/9x9 red floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 05-15B-Floor Tile **Lab Sample ID:** 041434977-0015  
**Sample Description:** Living area/9x9 red floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 05-15B-Mastic **Lab Sample ID:** 041434977-0015A  
**Sample Description:** Living area/9x9 red floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 06-16B-Floor Tile **Lab Sample ID:** 041434977-0016  
**Sample Description:** Living area/9x9 black floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	0%	92%	8% Chrysotile	

**Client Sample ID:** 06-16B-Mastic **Lab Sample ID:** 041434977-0016A  
**Sample Description:** Living area/9x9 black floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 06-17B-Floor Tile **Lab Sample ID:** 041434977-0017  
**Sample Description:** Living area/9x9 black floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 06-17B-Mastic **Lab Sample ID:** 041434977-0017A  
**Sample Description:** Living area/9x9 black floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 06-18B-Floor Tile **Lab Sample ID:** 041434977-0018  
**Sample Description:** Living area/9x9 black floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)



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EMSL Order ID: 041434977  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 06-18B-Mastic **Lab Sample ID:** 041434977-0018A  
**Sample Description:** Living area/9x9 black floor tile/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 07-19B **Lab Sample ID:** 041434977-0019  
**Sample Description:** Bedroom #1/Drywall/spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/Gray	15%	85%	None Detected	

**Client Sample ID:** 07-20B **Lab Sample ID:** 041434977-0020  
**Sample Description:** Bedroom #1/Drywall/spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/Gray	15%	85%	None Detected	

**Client Sample ID:** 07-21B **Lab Sample ID:** 041434977-0021  
**Sample Description:** Bedroom #2/Drywall/spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/30/2014	Brown/Gray	15%	85%	None Detected	

**Client Sample ID:** 08-22B-Linoleum **Lab Sample ID:** 041434977-0022  
**Sample Description:** Kitchen/Lt green linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Green	0%	80%	20% Chrysotile	

**Client Sample ID:** 08-22B-Mastic **Lab Sample ID:** 041434977-0022A  
**Sample Description:** Kitchen/Lt green linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 08-23B-Linoleum **Lab Sample ID:** 041434977-0023  
**Sample Description:** Kitchen/Lt green linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 08-23B-Mastic **Lab Sample ID:** 041434977-0023A  
**Sample Description:** Kitchen/Lt green linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)



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EMSL Order ID: 041434977  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

*Client Sample ID:* 08-24B-Linoleum *Lab Sample ID:* 041434977-0024  
*Sample Description:* Kitchen/Lt green linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

*Client Sample ID:* 08-24B-Mastic *Lab Sample ID:* 041434977-0024A  
*Sample Description:* Kitchen/Lt green linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

*Client Sample ID:* 09-25B-Floor Tile *Lab Sample ID:* 041434977-0025  
*Sample Description:* Bedroom #1/12x12 floor tile white

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	0%	97%	3% Chrysotile	

*Client Sample ID:* 09-25B-Mastic *Lab Sample ID:* 041434977-0025A  
*Sample Description:* Bedroom #1/12x12 floor tile white

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

*Client Sample ID:* 09-26B-Floor Tile *Lab Sample ID:* 041434977-0026  
*Sample Description:* Bedroom #1/12x12 floor tile white

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

*Client Sample ID:* 09-26B-Mastic *Lab Sample ID:* 041434977-0026A  
*Sample Description:* Bedroom #1/12x12 floor tile white

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

*Client Sample ID:* 09-27B-Floor Tile *Lab Sample ID:* 041434977-0027  
*Sample Description:* Bedroom #1/12x12 floor tile white

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

*Client Sample ID:* 09-27B-Mastic *Lab Sample ID:* 041434977-0027A  
*Sample Description:* Bedroom #1/12x12 floor tile white

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)





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EMSL Order ID: 041434977  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 10-28B-Floor Tile **Lab Sample ID:** 041434977-0028  
**Sample Description:** Kitchen/12x12 floor tile multi tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	96%	4% Chrysotile	

**Client Sample ID:** 10-28B-Mastic **Lab Sample ID:** 041434977-0028A  
**Sample Description:** Kitchen/12x12 floor tile multi tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 10-29B-Floor Tile **Lab Sample ID:** 041434977-0029  
**Sample Description:** Kitchen/12x12 floor tile multi tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 10-29B-Mastic **Lab Sample ID:** 041434977-0029A  
**Sample Description:** Kitchen/12x12 floor tile multi tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 10-30B-Floor Tile **Lab Sample ID:** 041434977-0030  
**Sample Description:** Kitchen/12x12 floor tile multi tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 10-30B-Mastic **Lab Sample ID:** 041434977-0030A  
**Sample Description:** Kitchen/12x12 floor tile multi tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 11-31B **Lab Sample ID:** 041434977-0031  
**Sample Description:** Bedroom #2/Wall separation

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	0%	92%	8% Chrysotile	

**Client Sample ID:** 11-32B **Lab Sample ID:** 041434977-0032  
**Sample Description:** Bedroom #2/Wall separation

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	



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EMSL Order ID: 041434977  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 11-33B **Lab Sample ID:** 041434977-0033  
**Sample Description:** Bedroom #2/Wall separation

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 03-08-Grout **Lab Sample ID:** 041434977-0033A  
**Sample Description:** Bedroom #2/Wall separation

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/30/2014	Gray	0%	100%	None Detected	Sample not included on COC

**Client Sample ID:** 03-08-Mastic **Lab Sample ID:** 041434977-0033B  
**Sample Description:** Bedroom #2/Wall separation

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/30/2014	Yellow	0%	100%	None Detected	Sample not included on COC
TEM Grav. Reduction	12/02/2014	Yellow	0.0%	100%	None Detected	

### Analyst(s):

- Jillian Yurick PLM (5)
- Joseph Quiles PLM (14)
- Ted Young TEM Grav. Reduction (3)

### Reviewed and approved by:

Stephen Siegel, CIH, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 12/01/2014 06:57:07



1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815

PO# 01648Z

E-MAIL ALL RESULTS AND COC TO: info@ttienvironmental.com

# PLM Sampling Data and Chain of Custody Record

PROJECT #: 14.1446	CLIENT: Dewberry	TTI PROJECT MANAGER: Ox Jim Guillard / Michael Stocku	DATE: 11/25/14
SAMPLER(S): JACK SIMS	CLIENT CONTACT:	FACILITY: 205 CHANNEL AVE	Sample Container
Sample #	Sample Location	Material Description	Sample Container
01-1B	OUTSIDE	TRANSITE shingles	BAGGIE
01-2B		↓	
01-3B		Roof shingles	
02-4B		↓	
02-5B		T&E PAPER	
02-6B		↓	
03-7B		CHIMNEY FLASHING	
03-8B		↓	
03-9B		LIVING AREA 9X9 RED F/MASTIC	
04-10B		↓	
04-11B		9X9 BLACK F/MASTIC	
04-12B		↓	
05-13B		9X9 RED F/MASTIC	
05-14B		↓	
05-15B		9X9 BLACK F/MASTIC	
06-16B		↓	
06-17B			
06-18B			

RECEIVED  
EMSL  
CINNAMONSON, NJ  
14 NOV 25 PM 1:44

Relinquished by: (Signature) <i>Wm Clark</i>	Date 11/25/14	Received by: (Signature)	Date	Time	Time
Relinquished by: (Signature)	Date	Received by: (Signature)	Date	Time	Time

PO No. 25 Hour Turnaround Time 25

Stop At First Positive

**NOB MATERIALS:**  
 Perform TEM analysis of 1<sup>st</sup> sample in each homogeneous group (Initials: OC)  
 For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials: OC)



1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815

PO# 016482

EMAIL ALL RESULTS AND COC TO: fh-lab@ttienv.com

# PLM Sampling Data and Chain of Custody Record

PROJECT #: 14-1446	CLIENT: Desberry	TTI PROJECT MANAGER: Ox Jim Gullardi Michael Stocku	DATE: 11/25/14
SAMPLER(S): Clark Sims	CLIENT CONTACT:	FACILITY: 205 Channel Ave	Sample Container
Sample #	Sample Location	Material Description	Sample Container
07-19 B	Bedroom #1	Drywall / Spackling	BASIC
07-20 B	#1	↓	
07-21 B	#2		
08-22 B	Kitchen	Lt. Green Linoleum	
08-23 B	↓	↓	
08-24 B			
09-25 B	Bedroom #1	12x12 Ft. White	
09-26 B	↓	↓	
09-27 B			
10-28 B	Kitchen	12x12 Ft. Multitan / Mastic	
10-29 B	↓	↓	
10-30 B			
11-31 B	Bedroom #2	Wall Separation	
11-32 B	↓	↓	
11-33 B			

RECEIVED  
ENSL  
CINNAMINSON, NJ  
14 NOV 25 PM 1:44

Relinquished by: (Signature) W.M. Clark	Date 11/25/14	Received by: (Signature)	Date	Time	PO No. <u>72</u>	Hour Turnaround Time	Stop At First Positive <input checked="" type="checkbox"/>
Relinquished by: (Signature)	Date	Received by: (Signature)	Date	Time	NOB MATERIALS: <input checked="" type="checkbox"/> Perform TEM analysis of 1 <sup>st</sup> sample in each homogeneous group. (Initials) <u>WOL</u> <u>24 HZ</u> <input checked="" type="checkbox"/> For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials) <u>WOL</u> <u>24 HZ</u>		

# Material Report

**Client:** Dewberry  
**Facility:** 205 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205B-01  
**Material Name:** Drywall/Spackle  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	North Center Storage	100	SF
	<i>Total</i>	100	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
05B-01 – 1B	11/26/14	SW Wall North Center Storage
05B-01 – 2B	11/26/14	SW Wall North Center Storage

# Material Report

**Client:** Dewberry  
**Facility:** 205B Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205B-R01  
**Material Name:** Flat Roof  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Roof	1,600	SF
	<i>Total</i>	1,600	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
5B-R01 - 01	12/12/14	North Side Center
5B-R01 - 02	12/12/14	North West Section
5B-R01 - 03	12/12/14	South Side Center (Canopy)

# Material Report

**Client:** Dewberry  
**Facility:** 205B Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205B-R02  
**Material Name:** Roof Flashing  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Roof	600	LF
	<i>Total</i>	600	LF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
5B-R02 - 04	12/12/14	North Side Center Perimeter
5B-R02 - 05	12/12/14	North Side of Ice House Perimeter
5B-R02 - 06	12/12/14	South Side Canopy Perimeter

# Material Report

**Client:** Dewberry  
**Facility:** 205B Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205B-R03  
**Material Name:** Shingle Roof  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Roof	3,300	SF
	<i>Total</i>	3,300	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
5B-R03 - 07	12/12/14	Ice House Shingle Roof
5B-R03 - 08	12/12/14	East Side Center Sloped Roof
5B-R03 - 09	12/12/14	South Side Canopy Sloped Roof





# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077  
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<http://www.EMSL.com> [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041435141  
CustomerID: TTIE54  
CustomerPO: 016482  
ProjectID:

Attn: **Results**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

Phone: (856) 840-8800  
Fax: (856) 840-8815  
Received: 11/26/14 2:45 PM  
Analysis Date: 12/1/2014  
Collected: 11/26/2014

Project: 14-1446 / Dewberry / 305B Channel Ave.

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-01B-Drywall 041435141-0001	SW Wall / North Center Storage - Drywall / JC	Brown/White Fibrous Homogeneous	45% Cellulose 5% Glass	50% Non-fibrous (other)	None Detected
01-01B-Spackle 041435141-0001A	SW Wall / North Center Storage - Drywall / JC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-02B-Drywall 041435141-0002	SW Wall / North Center Storage - Drywall / JC	Brown/White Fibrous Homogeneous	30% Cellulose 5% Glass	65% Non-fibrous (other)	None Detected
01-02B-Spackle 041435141-0002A	SW Wall / North Center Storage - Drywall / JC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Erica Valent (2)  
Jillian Yurick (2)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/01/2014 06:49:11



1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815

PO# 016482

E-MAIL ALL RESULTS AND COC TO: ih-lablab@ttienv.com

# PLM Sampling Data and Chain of Custody Record

PROJECT #: 141746	CLIENT: Dexberry	TTI PROJECT MANAGER: <u>Ox Jim Guillard / Michael Stocku</u>	DATE: <u>11/26/14</u>
SAMPLER(S): <u>H. Smith</u>	CLIENT CONTACT: _____	FACILITY: <u>205B Hammond Ave</u>	Sample Container
Sample #	Sample Location	Material Description	Sample Container
<u>01-1B</u>	<u>Sw wall North Center Storage</u>	<u>Drywall / oak trim</u>	<u>white</u>
<u>01-2B</u>	<u>" North Center Storage</u>		

2014 NOV 26 P 2:46

NO. 016482

Hour Turnaround 72 Time

Stop At First Positive

Relinquished by: (Signature) \_\_\_\_\_ Date 11/26/14 Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date 11/26/14 Time \_\_\_\_\_

NOB MATERIALS:  Perform TEM analysis of 1<sup>st</sup> sample in each homogeneous group. (Initials \_\_\_\_\_)  For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials \_\_\_\_\_)



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EMSL Order: 041436571  
CustomerID: TTIE54  
CustomerPO: 016594  
ProjectID:

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**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

Phone: (856) 840-8800  
Fax: (856) 840-8815  
Received: 12/12/14 4:30 PM  
Analysis Date: 12/13/2014  
Collected: 12/12/2014

Project: 14-1446 / Dewberry / 205-B Channel Drive

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-01-Tar <i>041436571-0001</i>	North Side Center - Flat Roof	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-01-Tar Felt <i>041436571-0001A</i>	North Side Center - Flat Roof	Black Fibrous Homogeneous	40% Glass	60% Non-fibrous (other)	None Detected
01-01-Felt <i>041436571-0001B</i>	North Side Center - Flat Roof	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
01-02 <i>041436571-0002</i>	North/West Section - Flat Roof	Black Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
01-03-Shingle <i>041436571-0003</i>	South Side Center (Canopy) - Flat Roof	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (other)	None Detected
01-03-Flashing <i>041436571-0003A</i>	South Side Center (Canopy) - Flat Roof	Black Fibrous Homogeneous	5% Synthetic 5% Glass	90% Non-fibrous (other)	None Detected
01-03-Insulation <i>041436571-0003B</i>	South Side Center (Canopy) - Flat Roof	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
02-04-Flashing <i>041436571-0004</i>	North Side Center Perimeter - Roof Flashing	Black Non-Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected

Analyst(s)

*Felix Anusiem (15)*  
*Matthew Carralero (8)*

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Initial report from 12/13/2014 14:58:27



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EMSL Order: 041436571  
 CustomerID: TTIE54  
 CustomerPO: 016594  
 ProjectID:

Attn: **Michael Stocku**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

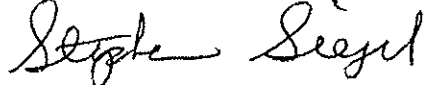
Phone: (856) 840-8800  
 Fax: (856) 840-8815  
 Received: 12/12/14 4:30 PM  
 Analysis Date: 12/13/2014  
 Collected: 12/12/2014

Project: 14-1446 / Dewberry / 205-B Channel Drive

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02-04-Tar 041436571-0004A	North Side Center Perimeter - Roof Flashing	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02-04-Felt 041436571-0004B	North Side Center Perimeter - Roof Flashing	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
02-05-Flashing 041436571-0005	North Side Of Ice House Perimeter - Roof Flashing	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02-05-Tar 041436571-0005A	North Side Of Ice House Perimeter - Roof Flashing	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02-05-Tar Felt 041436571-0005B	North Side Of Ice House Perimeter - Roof Flashing	Black Fibrous Homogeneous	35% Glass	65% Non-fibrous (other)	None Detected
02-05-Felt 041436571-0005C	North Side Of Ice House Perimeter - Roof Flashing	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
02-06-Flashing 041436571-0006	South Side Canopy Perimeter - Roof Flashing	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (other)	None Detected

Analyst(s)  
 Felix Anusiem (15)  
 Matthew Carralero (8)

  
 Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/13/2014 14:58:27



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ProjectID:

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Phone: (856) 840-8800  
Fax: (856) 840-8815  
Received: 12/12/14 4:30 PM  
Analysis Date: 12/13/2014  
Collected: 12/12/2014

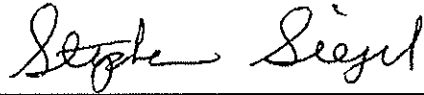
Project: 14-1446 / Dewberry / 205-B Channel Drive

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02-06-Tar 041436571-0006A	South Side Canopy Perimeter - Roof Flashing	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02-06-Tar Felt 041436571-0006B	South Side Canopy Perimeter - Roof Flashing	Black Fibrous Homogeneous	30% Synthetic	70% Non-fibrous (other)	None Detected
03-07 041436571-0007	Ice House Shingle Roof - Shingle Roof				Not Submitted
03-08-Shingle 041436571-0008	East Side Center Sloped Roof - Shingle Roof	Gray/Black Non-Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
03-08-Tar Paper 041436571-0008A	East Side Center Sloped Roof - Shingle Roof	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
03-09-Shingle 041436571-0009	South Side Canopy Sloped Roof - Shingle Roof	Gray/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
03-09-Tar Paper 041436571-0009B	South Side Canopy Sloped Roof - Shingle Roof	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
03-09-A-Shingle 041436571-0010		Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected

Secondary 03-09 sample bag

Analyst(s)  
Felix Anusiem (15)  
Matthew Carralero (8)

  
Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/13/2014 14:58:27



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Fax: (856) 840-8815  
Received: 12/12/14 4:30 PM  
Analysis Date: 12/13/2014  
Collected: 12/12/2014

Project: 14-1446 / Dewberry / 205-B Channel Drive

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

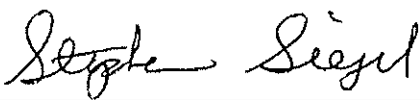
Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
03-09-A-Tar Paper		Black	45% Cellulose	55% Non-fibrous (other)	None Detected
041436571-0010A		Fibrous Homogeneous			

Secondary 03-09 sample bag

Analyst(s)  

---

*Felix Anusiem (15)*  
*Matthew Carralero (8)*

  
Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/13/2014 14:58:27

1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815



# PLM Sampling Data and Chain of Custody Record

PROJECT #: 14-1946 CLIENT: Dewberry  
 SAMPLER(S): G. Sims CLIENT CONTACT: [Blank]  
 TTI PROJECT MANAGER: [Blank] DATE: 12/12/14  
 FACILITY: 205B Hannah Drive Sample Container: ZIP Bag

Sample #	Sample Location	Material Description
01-01	NORTH SIDE CENTER	FLAT ROOF
01-02	NORTH WEST SECTION	↓
01-03	SOUTH SIDE CENTER (CANOPY)	ROOF FLASHING
02-04	NORTH SIDE CENTER PERIMETER	↓
02-05	NORTH SIDE OF ICE HOUSE PERIMETER	SHINGLE ROOF
02-06	SOUTH SIDE CANOPY PERIMETER	↓
03-07	ICE HOUSE SHINGLE ROOF	↓
03-08	EAST SIDE CENTER SLOPED ROOF	
03-09	SOUTH SIDE CANOPY SLOPED ROOF	

CHINA, N.J.  
2014 DEC 12 10:37

Relinquished by: (Signature) <i>[Signature]</i>	Date 12/12/14	Time	Received by: (Signature) <i>[Signature]</i>	Date 12/12/14	Time 4:35 PM	PO No. 016594	Hour Turnaround 24	Stop At First Positive <input checked="" type="checkbox"/>
Relinquished by: (Signature) <i>[Signature]</i>	Date 12/12/14	Time	Received by: (Signature) <i>[Signature]</i>	Date 12/12/14	Time [Blank]	NOB MATERIALS: <input type="checkbox"/> Perform TEM analysis of 1 <sup>st</sup> sample in each homogeneous group. (Initials) <input type="checkbox"/> For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials)		

# Material Report

**Client:** Dewberry  
**Facility:** 205B Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205C-01  
**Material Name:** Drywall/Spackle  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	North Corner of Building Storage	450	SF
	North West Corner of Building	1,800	SF
	South Corner of Building	1,950	SF
	<i>Total</i>	4,200	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
05C-01 - 1C	11/25/14	North Storage
05C-01 - 2C	11/25/14	North West Storage
05C-01 - 3C	11/25/14	South Storage



# Material Report

**Client:** Dewberry  
**Facility:** 205C Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205C-02  
**Material Name:** 12"x12" Tan Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	North Corner of Building Storage	170	SF
	North West Corner of Building	700	SF
	<i>Total</i>	870	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
05C-02 - 4C	11/25/14	North Storage
05C-02 - 5C	11/25/14	North West Storage
05C-02 - 6C	11/25/14	North West Storage

# Material Report

**Client:** Dewberry  
**Facility:** 205C Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205C-03  
**Material Name:** 12"x12" Green Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	North West Corner of Building	60	SF
	<i>Total</i>	60	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
05C-03 - 7C	11/25/14	North West Storage
05C-03 - 8C	11/25/14	North West Storage
05C-03 - 9C	11/25/14	North West Storage

# Material Report

**Client:** Dewberry  
**Facility:** 205C Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205C-04  
**Material Name:** Transite Panels  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	South Corner of Building	15	SF
	<i>Total</i>	15	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
05C-04 - 10C	11/25/14	South Storage

# Material Report

**Client:** Dewberry  
**Facility:** 205C Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205C-R01  
**Material Name:** Flat Roof  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Roof	4,500	SF
	<i>Total</i>	4,500	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
5C-R01 - 01	12/12/14	North East Section
5C-R01 - 02	12/12/14	South East Section
5C-R01 - 03	12/12/14	South West Section

# Material Report

**Client:** Dewberry  
**Facility:** 205C Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 205C-R02  
**Material Name:** Roof Flashing  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Roof	270	LF
	<i>Total</i>	270	LF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
5C-R02 - 04	12/12/14	North East Perimeter
5C-R02 - 05	12/12/14	South East Perimeter
5C-R02 - 06	12/12/14	South West Perimeter



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ProjectID:

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Fax: (856) 840-8815  
Received: 11/25/14 1:40 PM  
Analysis Date: 12/1/2014  
Collected: 11/25/2014

Project: 14-1446 / Dewberry / 205 C Channel Ave

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-1C-Drywall 041434983-0001	North Storage - Drywall Spackling	Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
01-1C-Spackle 041434983-0001A	North Storage - Drywall Spackling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-2C-Drywall 041434983-0002	North West Storage - Drywall Spackling	Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
01-2C-Spackle 041434983-0002A	North West Storage - Drywall Spackling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-3C-Drywall 041434983-0003	South Storage - Drywall Spackling	Brown/Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
01-3C-Spackle 041434983-0003A	South Storage - Drywall Spackling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02-4C-Floor Tile 041434983-0004	North Storage - 12x12 FT Tan	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
02-4C-Mastic 041434983-0004A	North Storage - Mastic				Stop Positive (Not Analyzed)
02-5C-Floor Tile 041434983-0005	North West Storage - 12x12 FT Tan				Stop Positive (Not Analyzed)

Analyst(s)

Amy Johnson (5)  
Jamie Marczak (4)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/01/2014 08:18:19



**EMSL Analytical, Inc.**

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Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041434983  
CustomerID: TTIE54  
CustomerPO: 016482  
ProjectID:

Attn: **Michael Stocku**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

Phone: (856) 840-8800  
Fax: (856) 840-8815  
Received: 11/25/14 1:40 PM  
Analysis Date: 12/1/2014  
Collected: 11/25/2014

Project: 14-1446 / Dewberry / 205 C Channel Ave

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02-5C-Mastic 041434983-0005A	North West Storage - Mastic				Stop Positive (Not Analyzed)
02-6C-Floor Tile 041434983-0006	North West Storage - 12x12 FT Tan				Stop Positive (Not Analyzed)
02-6C-Mastic 041434983-0006A	North West Storage - Mastic				Stop Positive (Not Analyzed)
03-7C-Floor Tile 041434983-0007	North West Storage - 12x12 FT Green Mastic	Green Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
03-7C-Mastic 041434983-0007B	North West Storage - 12x12 FT Green Mastic				Stop Positive (Not Analyzed)
03-8C-Floor Tile 041434983-0008	North West Storage - 12x12 FT Green Mastic				Stop Positive (Not Analyzed)
03-8C-Mastic 041434983-0008A	North West Storage - 12x12 FT Green Mastic				Stop Positive (Not Analyzed)
03-9C-Floor Tile 041434983-0009	North West Storage - 12x12 FT Green Mastic				Stop Positive (Not Analyzed)
03-9C-Mastic 041434983-0009A	North West Storage - 12x12 FT Green Mastic				Stop Positive (Not Analyzed)

Analyst(s)

Amy Johnson (5)  
Jamie Marczak (4)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-JHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/01/2014 08:18:19



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EMSL Order: 041434983  
CustomerID: TTIE54  
CustomerPO: 016482  
ProjectID:

Attn: **Michael Stocku**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

Phone: (856) 840-8800  
Fax: (856) 840-8815  
Received: 11/25/14 1:40 PM  
Analysis Date: 12/1/2014  
Collected: 11/25/2014

Project: 14-1446 / Dewberry / 205 C Channel Ave

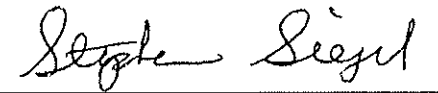
**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-10C 041434983-0010	South Storage - Transite	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected

Analyst(s)  

---

Amy Johnson (5)  
Jamie Marczak (4)

  
Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/01/2014 08:18:19



3025

E-MAIL AT RESULTS AND COC TO: [ih-lablab@ttienv.com](mailto:ih-lablab@ttienv.com)

PO # 016482

1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8816



# PLM Sampling Data and Chain of Custody Record

PROJECT #:	1A-1446	CLIENT:	Dewberry	TTI PROJECT MANAGER:	<input checked="" type="checkbox"/> Jim Guillard <input checked="" type="checkbox"/> Michael Stocku
SAMPLER(S):	W. Clark	CLIENT CONTACT:		FACILITY:	205 c Channel Ave
DATE:	11/25/14			DATE:	11/25/14

Sample #	Sample Location	Material Description	Sample Container
01-1 c	North STORAGE	DRYWALL SPACKLING	BAGS
01-2 c	North WEST "	↓	
01-3 c	South "		
02-4 c	North STORAGE	12X12 FT. TAN MASTIC	
02-5 c	North WEST "		
02-6 c	" " "	↓	
03-7 c	" " "	12X12 FT. GREEN MASTIC	
03-8 c	" " "	↓	
03-9 c	" " "		
04-10 c	South STORAGE	TRANSITE	

RECEIVED  
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UNION, NJ  
14 NOV 25 PM 1:44

Relinquished by: (Signature)	Date	Received by: (Signature)	Time	Date	Time	PO No.	Hour: Turnaround Time	Stop: At First Positive
WM. Clark	11/25/14						72	<input checked="" type="checkbox"/>

Perform TEM analysis of 1 sample in each homogeneous group. (Initials: )  
 For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials: )



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EMSL Order ID: 041436568  
Customer ID: TTIE54  
Customer PO: 016632  
Project ID:

**Attn:** Michael Stocku  
TTI Environmental Inc.  
1253 North Church Street  
Moorestown, NJ 08057  
**Phone:** (856) 840-8800  
**Fax:** (856) 840-8815  
**Collected:** 12/12/2014  
**Received:** 12/12/2014  
**Analyzed:** 12/15/2014  
**Proj:** 14-1446 / Dewberry / 205-C

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 01-01-Tar **Lab Sample ID:** 041436568-0001  
**Sample Description:** Northeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	0%	100%	None Detected	
TEM Grav. Reduction	12/15/2014	Black	0.0%	98.7%	1.3% Chrysotile	

**Client Sample ID:** 01-01-Tar Paper **Lab Sample ID:** 041436568-0001A  
**Sample Description:** Northeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	40%	60%	None Detected	
TEM Grav. Reduction	12/15/2014	Black	0.0%	98.8%	1.2% Chrysotile	

**Client Sample ID:** 01-01-Tar Felt **Lab Sample ID:** 041436568-0001B  
**Sample Description:** Northeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	45%	55%	None Detected	
TEM Grav. Reduction	12/15/2014	Black	0.0%	99.7%	0.26% Chrysotile	

**Client Sample ID:** 01-01-Built Up Roofing **Lab Sample ID:** 041436568-0001C  
**Sample Description:** Northeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	25%	75%	None Detected	
TEM Grav. Reduction	12/15/2014	Black	0.0%	100%	<0.25% Chrysotile	

**Client Sample ID:** 01-02-Tar **Lab Sample ID:** 041436568-0002  
**Sample Description:** Southeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	0%	100%	None Detected	

**Client Sample ID:** 01-02-Tar Paper **Lab Sample ID:** 041436568-0002A  
**Sample Description:** Southeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	45%	55%	None Detected	



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EMSL Order ID: 041436568  
Customer ID: TTIE54  
Customer PO: 016632  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 01-02-Tar Felt **Lab Sample ID:** 041436568-0002B  
**Sample Description:** Southeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	40%	60%	None Detected	

**Client Sample ID:** 01-02-Built Up Roofing **Lab Sample ID:** 041436568-0002C  
**Sample Description:** Southeast section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	30%	70%	None Detected	

**Client Sample ID:** 01-03-Tar **Lab Sample ID:** 041436568-0003  
**Sample Description:** Southwest section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/14/2014	Black	0%	100%	None Detected	

**Client Sample ID:** 01-03-Tar Paper **Lab Sample ID:** 041436568-0003A  
**Sample Description:** Southwest section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/14/2014	Black	40%	60%	None Detected	

**Client Sample ID:** 01-03-Tar Felt **Lab Sample ID:** 041436568-0003B  
**Sample Description:** Southwest section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/14/2014	Black	35%	65%	None Detected	

**Client Sample ID:** 01-03-Built Up Roofing **Lab Sample ID:** 041436568-0003C  
**Sample Description:** Southwest section/Flat roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/14/2014	Black	30%	70%	None Detected	

**Client Sample ID:** 02-04-Flashing **Lab Sample ID:** 041436568-0004  
**Sample Description:** Northeast perimeter/Roof flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	30%	70%	None Detected	

**Client Sample ID:** 02-04-Tar **Lab Sample ID:** 041436568-0004A  
**Sample Description:** Northeast perimeter/Roof flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	0%	100%	None Detected	



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<http://www.EMSL.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order ID: 041436568  
Customer ID: TTIE54  
Customer PO: 016632  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 02-04-Tar Paper **Lab Sample ID:** 041436568-0004B  
**Sample Description:** Northeast perimeter/Roof flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014	Black	40%	45%	15% Chrysotile	

**Client Sample ID:** 02-05-Flashing **Lab Sample ID:** 041436568-0005  
**Sample Description:** Southeast perimeter/Roof flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 02-06 **Lab Sample ID:** 041436568-0006  
**Sample Description:** Southwest perimeter/Roof flashing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/13/2014				Stop Positive (Not Analyzed)	

### Analyst(s):

- Erica Valent PLM (4)
- Felix Anusiem PLM (11)
- Wayne Froehlich TEM Grav. Reduction (4)

### Reviewed and approved by:

Stephen Siegel, CIH, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Report amended: 12/18/2014 06:59:20 Replaces initial report from: 12/15/2014 06:36:41 Reason Code: Client-Change to PO

1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815



041436568

# PLM Sampling Data and Chain of Custody Record

PROJECT #: 14-1446		CLIENT: Dewberry	TTI PROJECT MANAGER: <input checked="" type="checkbox"/> Jim Guillard
SAMPLER(S): C. S. A. S.		CLIENT CONTACT:	<input checked="" type="checkbox"/> Michael Stocku
FACILITY: 205-C		DATE: 12/12/14	
Sample #	Sample Location	Material Description	Sample Container
01-01	NORTH EAST SECTION	FAT ROOF	
01-02	SOUTH EAST SECTION	↓	
01-03	SOUTH WEST SECTION	↓	
02-04	NORTH EAST PERIMETER	ROOF FLASHING	
02-05	SOUTH EAST PERIMETER	↓	
02-06	SOUTH WEST PERIMETER	↓	

2014 DEC 12 P 4:37

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	PP No.	Hour Turnaround Time	Stop At First Positive
			<i>[Signature]</i>	12/12	4:37			<input type="checkbox"/>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	<small>           NO MATERIALS  <input type="checkbox"/> Perform TEM analysis of 1 sample in each homogeneous group. (Initials)  <input type="checkbox"/> For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials)         </small>		

# Material Report

**Client:** Dewberry  
**Facility:** 205C Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-01  
**Material Name:** 9"x9" Black Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	1st Floor	2,160	SF
	<i>Total</i>	2,160	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-01 - 1A	11/24/14	1st Floor
209-01 - 2A	11/24/14	1st Floor
209-01 - 3A	11/24/14	1st Floor

# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-02  
**Material Name:** 9"x9" Tan Floor Tile/Mastic  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	1st Floor	400	SF
	<i>Total</i>	400	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-02 - 4A	11/24/14	1st Floor
209-02 - 5A	11/24/14	1st Floor
209-02 - 6A	11/24/14	1st Floor

# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-03  
**Material Name:** Drywall/Spackle  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	1st Floor	1,400	SF
	<i>Total</i>	1,400	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-03 - 7A	11/24/14	1st Floor
209-03 - 8A	11/24/14	1st Floor
209-03 - 9A	11/24/14	1st Floor



# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-04  
**Material Name:** Exterior Stucco  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside	4,800	SF
	<i>Total</i>	4,800	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-04 - 10A	11/24/14	Outside Walls
209-04 - 11A	11/24/14	Outside Walls
209-04 - 12A	11/24/14	Outside Walls

# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-05  
**Material Name:** Flat Roof Field  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside	5,200	SF
	<i>Total</i>	5,200	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-05 - 13A	11/24/14	Roofing Field
209-05 - 14A	11/24/14	Roofing Field
209-05 - 15A	11/24/14	Roofing Field

# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-06  
**Material Name:** Flat Roof Flashing  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside	440	SF
	<i>Total</i>	440	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-06 - 16A	11/24/14	Roofing Flashing
209-06 - 17A	11/24/14	Roofing Flashing
209-06 - 18A	11/24/14	Roofing Flashing

# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-07  
**Material Name:** Flue Patch  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	1st Floor	2	SF
	<i>Total</i>	2	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-07 - 19A	11/24/14	1st Floor
209-07 - 20A	11/24/14	1st Floor
209-07 - 21A	11/24/14	1st Floor

# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 209-08  
**Material Name:** Roof Shingles  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside	20	SF
	<i>Total</i>	20	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
209-08 - 22A	11/24/14	Side Roof
209-08 - 23A	11/24/14	Side Roof
209-08 - 24A	11/24/14	Side Roof



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<http://www.EMSL.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order ID: 041434981  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

**Attn:** Michael Stocku  
TTI Environmental Inc.  
1253 North Church Street  
Moorestown, NJ 08057  
**Phone:** (856) 840-8800  
**Fax:** (856) 840-8815  
**Collected:** 11/24/2014  
**Received:** 11/25/2014  
**Analyzed:** 12/02/2014  
**Proj:** 14-1446 / Dewberry / 305 Channel Ave

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 01-1A-Floor Tile **Lab Sample ID:** 041434981-0001  
**Sample Description:** 1st floor/9x9 floor tile black/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	0%	96%	4% Chrysotile	

**Client Sample ID:** 01-1A-Mastic **Lab Sample ID:** 041434981-0001A  
**Sample Description:** 1st floor/9x9 floor tile black/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 01-2A-Floor Tile **Lab Sample ID:** 041434981-0002  
**Sample Description:** 1st floor/9x9 floor tile black/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 01-2A-Mastic **Lab Sample ID:** 041434981-0002A  
**Sample Description:** 1st floor/9x9 floor tile black/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 01-3A-Floor Tile **Lab Sample ID:** 041434981-0003  
**Sample Description:** 1st floor/9x9 floor tile black/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 01-3A-Mastic **Lab Sample ID:** 041434981-0003A  
**Sample Description:** 1st floor/9x9 floor tile black/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014				Stop Positive (Not Analyzed)	

**Client Sample ID:** 02-4A-Floor Tile **Lab Sample ID:** 041434981-0004  
**Sample Description:** 1st floor/9x9 floor tile tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	96%	4% Chrysotile	



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EMSL Order ID: 041434981  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 02-4A-Mastic **Lab Sample ID:** 041434981-0004A  
**Sample Description:** 1st floor/9x9 floor tile tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 02-5A-Floor Tile **Lab Sample ID:** 041434981-0005  
**Sample Description:** 1st floor/9x9 floor tile tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 02-5A-Mastic **Lab Sample ID:** 041434981-0005A  
**Sample Description:** 1st floor/9x9 floor tile tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 02-6A-Floor Tile **Lab Sample ID:** 041434981-0006  
**Sample Description:** 1st floor/9x9 floor tile tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 02-6A-Mastic **Lab Sample ID:** 041434981-0006A  
**Sample Description:** 1st floor/9x9 floor tile tan/mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014					Stop Positive (Not Analyzed)

**Client Sample ID:** 03-7A-Drywall **Lab Sample ID:** 041434981-0007  
**Sample Description:** 1st floor/Drywall spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	10%	90%	None Detected	

**Client Sample ID:** 03-7A-Spackle **Lab Sample ID:** 041434981-0007A  
**Sample Description:** 1st floor/Drywall spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	0%	100%	None Detected	

**Client Sample ID:** 03-8A-Drywall **Lab Sample ID:** 041434981-0008  
**Sample Description:** 1st floor/Drywall spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	10%	90%	None Detected	



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EMSL Order ID: 041434981  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 03-8A-Spackle **Lab Sample ID:** 041434981-0008A  
**Sample Description:** 1st floor/Drywall spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	0%	100%	None Detected	

**Client Sample ID:** 03-9A-Drywall **Lab Sample ID:** 041434981-0009  
**Sample Description:** 1st floor/Drywall spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	Brown/White	15%	85%	None Detected	

**Client Sample ID:** 03-9A-Spackle **Lab Sample ID:** 041434981-0009A  
**Sample Description:** 1st floor/Drywall spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	White	0%	100%	None Detected	

**Client Sample ID:** 04-10A **Lab Sample ID:** 041434981-0010  
**Sample Description:** Outside walls/Exterior stucco

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Gray	0%	100%	None Detected	

**Client Sample ID:** 04-11A **Lab Sample ID:** 041434981-0011  
**Sample Description:** Outside walls/Exterior stucco

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Gray	0%	100%	None Detected	

**Client Sample ID:** 04-12A **Lab Sample ID:** 041434981-0012  
**Sample Description:** Outside walls/Exterior stucco

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	Gray	0%	100%	None Detected	

**Client Sample ID:** 05-13A **Lab Sample ID:** 041434981-0013  
**Sample Description:** Roofing field/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	5%	95%	None Detected	
TEM Grav. Reduction	12/02/2014	Black	0.0%	100%	None Detected	

**Client Sample ID:** 05-14A **Lab Sample ID:** 041434981-0014  
**Sample Description:** Roofing field/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	5%	95%	None Detected	





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EMSL Order ID: 041434981  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 05-15A **Lab Sample ID:** 041434981-0015  
**Sample Description:** Roofing field/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	Black	25%	75%	None Detected	

**Client Sample ID:** 06-16A-Flashing **Lab Sample ID:** 041434981-0016  
**Sample Description:** Roofing flashing/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	2%	98%	None Detected	
TEM Grav. Reduction	12/02/2014	Black	0.0%	100%	None Detected	

**Client Sample ID:** 06-16A-Felt **Lab Sample ID:** 041434981-0016A  
**Sample Description:** Roofing flashing/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	3%	97%	None Detected	
TEM Grav. Reduction	12/02/2014	Black	0.0%	100%	None Detected	

**Client Sample ID:** 06-17A-Flashing **Lab Sample ID:** 041434981-0017  
**Sample Description:** Roofing flashing/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	2%	98%	None Detected	

**Client Sample ID:** 06-17A-Felt **Lab Sample ID:** 041434981-0017A  
**Sample Description:** Roofing flashing/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	4%	96%	None Detected	

**Client Sample ID:** 06-18A-Flashing **Lab Sample ID:** 041434981-0018  
**Sample Description:** Roofing flashing/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	Black	15%	85%	None Detected	

**Client Sample ID:** 06-18A-Felt **Lab Sample ID:** 041434981-0018A  
**Sample Description:** Roofing flashing/Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	Black	30%	70%	None Detected	

**Client Sample ID:** 07-19A **Lab Sample ID:** 041434981-0019  
**Sample Description:** 1st floor/Flue patch

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	5%	95%	None Detected	Recommend TEM
TEM Grav. Reduction	12/02/2014	White	0.0%	100%	None Detected	



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EMSL Order ID: 041434981  
Customer ID: TTIE54  
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Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 07-20A **Lab Sample ID:** 041434981-0020  
**Sample Description:** 1st floor/Flue patch

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	5%	95%	None Detected	Recommend TEM

**Client Sample ID:** 07-21A **Lab Sample ID:** 041434981-0021  
**Sample Description:** 1st floor/Flue patch

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	White	5%	95%	None Detected	

**Client Sample ID:** 08-22A **Lab Sample ID:** 041434981-0022  
**Sample Description:** Side roof/Roof shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	5%	95%	None Detected	
TEM Grav. Reduction	12/02/2014	Black	0.0%	100%	None Detected	

**Client Sample ID:** 08-23A **Lab Sample ID:** 041434981-0023  
**Sample Description:** Side roof/Roof shingles

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/01/2014	Black	15%	85%	None Detected	

### Analyst(s):

- Jamie Marczak PLM (17)
- Jillian Yurick PLM (8)
- Ted Young TEM Grav. Reduction (5)

### Reviewed and approved by:

Stephen Siegel, CIH, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 12/01/2014 10:52:47



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PO# 016482

E-MAIL ALL RESULTS AND COC TO: [in-lab@ttienv.com](mailto:in-lab@ttienv.com)

# PLM Sampling Data and Chain of Custody Record

PROJECT #: 14-1446	CLIENT: Dewberry	TTI PROJECT MANAGER: Ox Jim Guillard Michael Stocku
SAMPLER(S): WJAGL/SIMS	CLIENT CONTACT: [Signature]	DATE: 11/24/14
FACILITY: 209 Channel Ave		Sample Container
Sample #	Sample Location	Material Description
01-1A	1st Floor	9x9 FT BLACK MASTIC
01-2A		↓
01-3A		9x9 FT TAN MASTIC
02-4A		↓
02-5A		DRYWALL SPACKLING
02-6A		↓
03-7A		EXTERIOR STUCCO
03-8A		↓
03-9A		ROOF
04-10A	OUTSIDE WALLS	↓
04-11A		ROOFING FIELD
04-12A		↓
05-13A	ROOFING FLASHING	↓
05-14A		
05-15A		
06-16A		
06-17A		
06-18A		

14 NOV 25 PM 1:44

Relinquished by: (Signature) WJAGL	Date 11/24/14	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

PO No. [Blank]

Hour Turnaround Time [Blank]

Stop At First Positive

NOB MATERIALS

Perform TEM analysis of 1" sample in each homogeneous group. (Initials [Blank])

For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials [Blank])



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PO# 016482

E-MAIL ALL RESULTS AND COC TO:ih-lablab@ttienv.com

**PLM Sampling Data and Chain of Custody Record**

PROJECT #: 14-1446		CLIENT: Dewberry	TTI PROJECT MANAGER: <input checked="" type="checkbox"/> Ox Jim Guiliardi <input checked="" type="checkbox"/> Michael Stocku
SAMPLER(S): Clark Sims		CLIENT CONTACT: ..	DATE: 11/24/14
FACILITY: 209 CHANNEL AVE			
Sample #	Sample Location	Material Description	Sample Container
07-19A	1st Floor	Flue Patch	BASIC
07-20A			
07-21A			
08-22A	side roof	Roof shingles	
08-23A			
08-24A			
Relinquished by: (Signature) WM Clark	Date 11/24/14	Received by: (Signature)	Time
Relinquished by: (Signature)	Date	Received by: (Signature)	Time

PO No. _____	Hour Turnaround Time <b>72</b> <b>HA</b>	<input checked="" type="checkbox"/> Stop At First Positive
NOB MATERIALS: <input checked="" type="checkbox"/> Perform TEM analysis of 1 <sup>st</sup> sample in each homogeneous group. (Initials: <u>WMC</u> ) <input checked="" type="checkbox"/> For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials: <u>WMC</u> )		

# Material Report

**Client:** Dewberry  
**Facility:** 209 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-01  
**Material Name:** Drywall/Spackle  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Break Room	1,800	SF
	Electric Room	150	SF
	Front Room	1,600	SF
	Office	600	SF
	<i>Total</i>	4,150	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-01 - 1	11/24/14	Front Room
301-01 - 2	11/24/14	Electric Room
301-01 - 3	11/24/14	Break Room

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-02  
**Material Name:** Plaster Ceiling  
**Type of Material:** Surfacing

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Front Room	332	SF
	<i>Total</i>	332	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-02 - 4	11/24/14	Front Room
301-02 - 5	11/24/14	Front Room
301-02 - 6	11/24/14	Front Room

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-03  
**Material Name:** Tile Grout  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Front Room	140	SF
	<i>Total</i>	140	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-03 - 7	11/24/14	Front Room
301-03 - 8	11/24/14	Front Room
301-03 - 9	11/24/14	Front Room

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-04  
**Material Name:** Mortar Bed  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Small Cooler Room #1	3,600	SF
	<i>Total</i>	3,600	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-04 - 10	11/24/14	Front Room
301-04 - 11	11/24/14	Front Room
301-04 - 12	11/24/14	Front Room



# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-05  
**Material Name:** 2'x4' Ceiling Tile, Textured  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Break Room	400	SF
	<i>Total</i>	400	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-05 - 13	11/24/14	Break Room
301-05 - 14	11/24/14	Break Room
301-05 - 15	11/24/14	Break Room

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-06  
**Material Name:** Black Mastic on Wall  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Front Room	150	SF
	Office	80	SF
	<i>Total</i>	230	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-06 - 16	11/24/14	Front Room
301-06 - 17	11/24/14	Front Room
301-06 - 18	11/24/14	Front Room

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-07  
**Material Name:** Fiberboard  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Ladies Restroom	2	SF
	<i>Total</i>	2	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-07 - 19	11/24/14	Ladies Restroom
301-07 - 20	11/24/14	Ladies Restroom
301-07 - 21	11/24/14	Ladies Restroom

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-08  
**Material Name:** White Linoleum  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Outside Office	120	SF
	<i>Total</i>	120	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
301-08 - 22	11/24/14	Outside Office
301-08 - 23	11/24/14	Outside Office
301-08 - 24	11/24/14	Outside Office

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-R01  
**Material Name:** Flat Roof  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: No*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Roof	30,000	SF
	<i>Total</i>	30,000	SF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
01-R01 - 01	12/12/14	North East Section
01-R01 - 02	12/12/14	South West Section
01-R01 - 03	12/12/14	North West Section

# Material Report

**Client:** Dewberry  
**Facility:** 301 Channel Drive  
**Date:** 12/16/2014  
**Project No:** 14-1446

**Homogeneous No:** 301-R02  
**Material Name:** Vent/Perimeter Flashing  
**Type of Material:** Miscellaneous

*Material Contains >1%  
Asbestos: Yes*

<i>Level</i>	<i>Location</i>	<i>Amount</i>	<i>Units</i>
	Roof	700	LF
	<i>Total</i>	700	LF

## Sampling Data

<u>Sample No.</u>	<u>Date of Sampling</u>	<u>Location of Sampling</u>
01-R02 - 04	12/12/14	South Side Center Roof Vent
01-R02 - 05	12/12/14	South Side Center Perimeter
01-R02 - 06	12/12/14	North East Perimeter



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EMSL Order ID: 041434979  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

**Attn:** Michael Stocku  
TTI Environmental Inc.  
1253 North Church Street  
Moorestown, NJ 08057  
**Phone:** (856) 840-8800  
**Fax:** (856) 840-8815  
**Collected:** 11/24/2014  
**Received:** 11/25/2014  
**Analyzed:** 12/01/2014  
**Proj:** 14-1446 / Dewberry / 301 Channel Ave

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 01-1-Drywall **Lab Sample ID:** 041434979-0001  
**Sample Description:** Front Room/Drywall/Spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	15%	85%	None Detected	

**Client Sample ID:** 01-1-Texture **Lab Sample ID:** 041434979-0001A  
**Sample Description:** Front Room/Drywall/Spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	0%	100%	None Detected	

**Client Sample ID:** 01-2-Drywall **Lab Sample ID:** 041434979-0002  
**Sample Description:** Electric Room/Drywall/Spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	15%	85%	None Detected	

**Client Sample ID:** 01-2-Texture **Lab Sample ID:** 041434979-0002A  
**Sample Description:** Electric Room/Drywall/Spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	0%	100%	None Detected	

**Client Sample ID:** 01-3-Drywall **Lab Sample ID:** 041434979-0003  
**Sample Description:** Break Room/Drywall/Spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	15%	85%	None Detected	

**Client Sample ID:** 01-3-Texture **Lab Sample ID:** 041434979-0003A  
**Sample Description:** Break Room/Drywall/Spackling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White	0%	100%	None Detected	

**Client Sample ID:** 02-4 **Lab Sample ID:** 041434979-0004  
**Sample Description:** Front Room/Plaster Ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	



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<http://www.EMSL.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order ID: 041434979  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 02-5 **Lab Sample ID:** 041434979-0005  
**Sample Description:** Front Room/Plaster Ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	

**Client Sample ID:** 02-6 **Lab Sample ID:** 041434979-0006  
**Sample Description:** Front Room/Plaster Ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	

**Client Sample ID:** 03-7 **Lab Sample ID:** 041434979-0007  
**Sample Description:** Front Room/Tile Grout

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	

**Client Sample ID:** 03-8 **Lab Sample ID:** 041434979-0008  
**Sample Description:** Front Room/Tile Grout

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/26/2014				Not Submitted	

**Client Sample ID:** 03-9 **Lab Sample ID:** 041434979-0009  
**Sample Description:** Front Room/Tile Grout

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	

**Client Sample ID:** 04-10 **Lab Sample ID:** 041434979-0010  
**Sample Description:** Front Room/Mortar Bed

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	

**Client Sample ID:** 04-11 **Lab Sample ID:** 041434979-0011  
**Sample Description:** Front Room/Mortar Bed

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	

**Client Sample ID:** 04-12 **Lab Sample ID:** 041434979-0012  
**Sample Description:** Front Room/Mortar Bed

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Tan	0%	100%	None Detected	





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EMSL Order ID: 041434979  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 05-13 **Lab Sample ID:** 041434979-0013  
**Sample Description:** Break Room/2x4 CT Text

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	90%	10%	None Detected	

**Client Sample ID:** 05-14 **Lab Sample ID:** 041434979-0014  
**Sample Description:** Break Room/2x4 CT Text

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	90%	10%	None Detected	

**Client Sample ID:** 05-15 **Lab Sample ID:** 041434979-0015  
**Sample Description:** Break Room/2x4 CT Text

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	80%	20%	None Detected	

**Client Sample ID:** 06-16 **Lab Sample ID:** 041434979-0016  
**Sample Description:** Front Room/Black Mastic Wall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	0%	100%	None Detected	
TEM Grav. Reduction	12/01/2014	Black	0.0%	100%	None Detected	

**Client Sample ID:** 06-17 **Lab Sample ID:** 041434979-0017  
**Sample Description:** Front Room/Black Mastic Wall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	0%	100%	None Detected	

**Client Sample ID:** 06-18 **Lab Sample ID:** 041434979-0018  
**Sample Description:** Front Room/Black Mastic Wall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Black	0%	100%	None Detected	

**Client Sample ID:** 07-19 **Lab Sample ID:** 041434979-0019  
**Sample Description:** Ladies R/R/Fiber Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	30%	70%	None Detected	

**Client Sample ID:** 07-20 **Lab Sample ID:** 041434979-0020  
**Sample Description:** Ladies R/R/Fiber Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	30%	70%	None Detected	



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EMSL Order ID: 041434979  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

*Client Sample ID:* 07-21 *Lab Sample ID:* 041434979-0021  
*Sample Description:* Ladies R/R/Fiber Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	Brown/White	20%	80%	None Detected	

*Client Sample ID:* 08-22 *Lab Sample ID:* 041434979-0022  
*Sample Description:* Outside Office/White Linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White/Beige	15%	85%	None Detected	
TEM Grav. Reduction	12/01/2014	White/Beige	0.0%	100%	None Detected	

*Client Sample ID:* 08-23 *Lab Sample ID:* 041434979-0023  
*Sample Description:* Outside Office/White Linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White/Beige	15%	85%	None Detected	

*Client Sample ID:* 08-24-Linoleum *Lab Sample ID:* 041434979-0024  
*Sample Description:* Outside Office/White Linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White/Beige	15%	85%	None Detected	

*Client Sample ID:* 08-24-Shingle *Lab Sample ID:* 041434979-0024A  
*Sample Description:* Outside Office/White Linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/29/2014	White/Black	15%	85%	None Detected	Sample not listed on COC.



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EMSL Order ID: 041434979  
Customer ID: TTIE54  
Customer PO: 016482  
Project ID:

**Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120  
via EPA 600/R-93/116**

---

**Analyst(s):**

- Kelly Mulholland PLM (17)
- Matthew Carralero PLM (10)
- Wayne Froehlich TEM Grav. Reduction (2)

**Reviewed and approved by:**

Stephen Siegel, CIH, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 11/29/2014 13:36:12



1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815

PO # 016482

EMAIL ALL RESULTS AND COC TO: info@ttienv.com

# PLM Sampling Data and Chain of Custody Record

PROJECT #: 14-1446	CLIENT: Dewberry	TTI PROJECT MANAGER: Ox Jim Guillard Michael Stocku	FACILITY: 301 Channel Ave	DATE: 11/24/14
SAMPLER(S): Clark Sims	CLIENT CONTACT:			
Sample #	Sample Location	Material Description	Sample Container	
01-1	FRONT RM	DRYWALL / SPACKLING	BAGGIE	
01-2	ELECTRIC RM	↓		
01-3	BREAK RM	PLASTER CEILING		
02-4	FRONT RM	↓		
02-5	↓	↓		
02-6	↓	↓		
03-7	↓	TILE GROUT		
03-8	↓	↓		
03-9	↓	↓		
04-10	↓	MORTAR BED		
04-11	↓	↓		
04-12	↓	↓		
05-13	BREAK RM	ZXACT TEXT		
05-14	↓	↓		
05-15	↓	↓		
06-16	FRONT RM	BLACK MASTIC WALL		
06-17	↓	↓		
06-18	↓	↓		
Relinquished by: (Signature) W.M. Clark	Date 11/24/14	Time	Received by: (Signature) EC	Date 11/25/14
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date
			NOB MATERIALS	
			Perform TEM analysis of 1 sample in each homogeneous group. Initials <u>WEC</u> <u>ZALW</u>	
			For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials <u>abc</u> )	
			Hour Turnaround Time <u>72</u>	Stop At First Positive
			Time 1:40	
			17 NOV 25 PM 1:44	
			RECEIVED EM31 CINNANMINSON, NJ	

271 140



1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815

PO# 016402

E-MAIL ALL RESULTS AND COC TO: emsl@ttienv.com

# PLM Sampling Data and Chain of Custody Record

PROJECT #: 141446		CLIENT: Dewberry		TTI PROJECT MANAGER: <input type="radio"/> Jim Guillard <input checked="" type="radio"/> Michael Stocku	
SAMPLER(S): Clark, Sims		CLIENT CONTACT:		FACILITY: 301 Channel Ave	
DATE: 11/24/14					

Sample #	Sample Location	Material Description	Sample Container
07-19	ladies RTR	Fiber Bead	Baggie
07-20	↓	↓	↓
07-21	outside office	white line down	↓
08-22	↓	↓	↓
08-23			
08-24			

Relinquished by: (Signature) Wm Clark	Date 11/24/14	Time	Received by: (Signature)	Date	Time	PO No.	Hour Turnaround Time 72	Stop At First Positive <input checked="" type="checkbox"/>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time			

NOB MATERIALS:  
 Perform TEM analysis of 1<sup>st</sup> sample in each homogeneous group. (Initials WC) 24 hr  
 For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials WC)  
 For NOB samples, please stop analysis when the following number of samples have been analyzed. (Initials \_\_\_\_\_)

RECEIVED  
EMSL  
CINNAMINSON, NJ  
14 NOV 25 PM 1:44

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EMSL Order: 041436577  
 CustomerID: TTIE54  
 CustomerPO: 016594  
 ProjectID:

Attn: **Michael Stocku**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

Phone: (856) 840-8800  
 Fax: (856) 840-8815  
 Received: 12/12/14 4:35 PM  
 Analysis Date: 12/13/2014  
 Collected: 12/12/2014

Project: 14-1446 / Dewberry / 301 Channel Drive

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-01-Flashing <i>041436577-0001</i>	NE section - Built up flat roof	Black Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (other)	None Detected
01-01-Tar <i>041436577-0001A</i>	NE section - Built up flat roof	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-01-Tar Felt <i>041436577-0001B</i>	NE section - Built up flat roof	Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
01-01-Silver Paint <i>041436577-0001C</i>	NE section - Built up flat roof	Silver Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-02-Flashing <i>041436577-0002</i>	SW section - Built up flat roof	Black Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (other)	None Detected
01-02-Tar <i>041436577-0002A</i>	SW section - Built up flat roof	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-02-Tar Felt <i>041436577-0002B</i>	SW section - Built up flat roof	Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
01-02-Silver Paint <i>041436577-0002C</i>	SW section - Built up flat roof	Silver Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

**Analyst(s)**

*Matthew Carralero (9)*  
*Quynh Vu (3)*

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHILAP Lab 100194, NYS ELAP 10872, NJ DEP 03036. PA ID# 68-00367

Initial report from 12/13/2014 16:16:51



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EMSL Order: 041436577  
CustomerID: TTIE54  
CustomerPO: 016594  
ProjectID:

Attn: **Michael Stocku**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

Phone: (856) 840-8800  
Fax: (856) 840-8815  
Received: 12/12/14 4:35 PM  
Analysis Date: 12/13/2014  
Collected: 12/12/2014

Project: 14-1446 / Dewberry / 301 Channel Drive

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-03-Flashing 041436577-0003	NW section - Built up flat roof	Black Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (other)	None Detected
01-03-Tar 041436577-0003A	NW section - Built up flat roof	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
01-03-Tar Felt 041436577-0003B	NW section - Built up flat roof	Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
02-04-Shingle 041436577-0004	South side center roof vent - Vent flashing				Stop Positive (Not Analyzed)
02-04-Flashing 041436577-0004A	South side center roof vent - Vent flashing	Black Fibrous Homogeneous		88% Non-fibrous (other)	12% Chrysotile
02-04-Tar 041436577-0004B	South side center roof vent - Vent flashing				Stop Positive (Not Analyzed)
02-04-Silver Paint 041436577-0004C	South side center roof vent - Vent flashing				Stop Positive (Not Analyzed)
02-05 041436577-0005	South side center perimeter - Perimeter flashing				Stop Positive (Not Analyzed)
02-06 041436577-0006	Northeast perimeter - Perimeter flashing				Stop Positive (Not Analyzed)

Analyst(s)

Matthew Carralero (9)  
Quynh Vu (3)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 12/13/2014 16:16:51

04 436577

1253 North Church Street, Moorestown, NJ 08057  
856-840-8800 Fax 856-840-8815



# PLM Sampling Data and Chain of Custody Record

TTI PROJECT MANAGER:  Jim Guillard  Michael Stocku

PROJECT #: 14-1446 CLIENT: Dewberry  
 FACILITY: 301 Channel Drive DATE: 12/1/14  
 SAMPLER(S): 21 Sials CLIENT CONTACT:

Sample #	Sample Location	Material Description	Sample Container
01-01	NE SECTION	BUILT UP FLAT ROOF	ZIP BAG
01-02	SW SECTION		
01-03	NW SECTION		
02-04	SOUTH SIDE CENTER ROOF VENT	VENT FLASHING	
02-05	SOUTH SIDE CENTER PERIMETER	PERIMETER FLASHING	
02-06	NORTH EAST PERIMETER		

2014 DEC 2 10 4: 38  
 CINNAMINSON, N.J.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Hour Turnaround Time	Stop At First Positive
<i>[Signature]</i>	12/1/14		<i>[Signature]</i>	12/1/14	1:30	24	<input checked="" type="checkbox"/>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		

NOB MATERIALS:  
 Perform TEM analysis of 1<sup>st</sup> sample in each homogeneous group. (Initials)  
 For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials)

*[Handwritten initials]*





**APPENDIX E:**

**ASBESTOS – NON-ASBESTOS SUMMARY**



## *Non-Asbestos Materials Summary*

<i>Location</i>	<i>Hom No.</i>	<i>Material Name</i>	<i>Amount</i>	<i>Units</i>
<b><u>205 Channel Drive</u></b>				
Bedroom #1	205-07	Drywall/Spackle	220	SF
Outside under Siding	205-02	Roof Shingles	6,000	SF
	205-03	Tar Paper	6,000	SF
<b><u>205B Channel Drive</u></b>				
North Center Storage	205B-01	Drywall/Spackle	100	SF
Roof	205B-R03	Shingle Roof	3,300	SF
	205B-R02	Roof Flashing	600	LF
	205B-R01	Flat Roof	1,600	SF
<b><u>205C Channel Drive</u></b>				
North Corner of Building Storage	205C-02	12"x12" Tan Floor Tile/Mastic	170	SF
	205C-01	Drywall/Spackle	450	SF
North West Corner of Building	205C-03	12"x12" Green Floor Tile/Mastic	60	SF
	205C-02	12"x12" Tan Floor Tile/Mastic	700	SF
South Corner of Building	205C-01	Drywall/Spackle	1,800	SF
	205C-04	Transite Panels	15	SF
	205C-01	Drywall/Spackle	1,950	SF
<b><u>209 Channel Drive</u></b>				
1st Floor	209-07	Flue Patch	2	SF
	209-03	Drywall/Spackle	1,400	SF
Outside	209-06	Flat Roof Flashing	440	SF
	209-05	Flat Roof Field	5,200	SF
	209-08	Roof Shingles	20	SF
	209-04	Exterior Stucco	4,800	SF
<b><u>301 Channel Drive</u></b>				
Break Room	301-05	2'x4' Ceiling Tile, Textured	400	SF
	301-01	Drywall/Spackle	1,800	SF
Electric Room	301-01	Drywall/Spackle	150	SF
Front Room	301-01	Drywall/Spackle	1,600	SF
	301-06	Black Mastic on Wall	150	SF
	301-03	Tile Grout	140	SF
	301-02	Plaster Ceiling	332	SF



## *Non-Asbestos Materials Summary*

---

<i>Location</i>	<i>Hom No.</i>	<i>Material Name</i>	<i>Amount Units</i>
Ladies Restroom	301-07	Fiberboard	2 SF
Office	301-01	Drywall/Spackle	600 SF
	301-06	Black Mastic on Wall	80 SF
Outside Office	301-08	White Linoleum	120 SF
Roof	301-R01	Flat Roof	30,000 SF
Small Cooler Room #1	301-04	Mortar Bed	3,600 SF

---



**APPENDIX F:**

LEAD – XRF SURVEY

**APPENDIX F - XRF ANALYTICAL SAMPLING RESULTS**

205 Channel Avenue

11/25/2014

<u>Reading</u>	<u>Location</u>	<u>Structure</u>	<u>Feature</u>	<u>Substrate</u>	<u>Color</u>	<u>Lead</u>
<u>Number</u>						<u>(mg/cm2)</u>
1	Calibration					1.9
2	Calibration					1.8
3	Calibration					2.0
4	D Entrance	Door		Metal	Aqua	0.3
5	D Entrance	Door	Frame	Wood	White	-0.1
6	Bedroom #1	Ceiling		Drywall	White	0.0
7	Kitchen	Ceiling		Drywall	White	0.1
8	Bedroom #2	Ceiling		Drywall	Brown	-0.2
9	Bedroom #2	Door		Metal	Aqua	0.1

<b>APPENDIX F - XRF ANALYTICAL SAMPLING RESULTS</b>						
<b>205B Channel Avenue</b>						
<b>11/26/2014</b>						
<u>Reading</u>	<u>Location</u>	<u>Structure</u>	<u>Feature</u>	<u>Substrate</u>	<u>Color</u>	<u>Lead</u>
<u>Number</u>						<u>(mg/cm2)</u>
1	Calibration					2.0
2	Calibration					1.9
3	Calibration					2.0
4	Interior NE Section Shop	Square Column		Steel	Red	0.6
5	Interior NE Section Shop	Square Column		Steel	Red	<0.1
6	Center Area	Round Column		Steel	Brown	0.1
7	Interior SW Wall	Round Column		Steel	Brown	0.1
8	Interior NE Section	I Beam		Steel	Blue	0.1
9	North	Wall		Cinder Block	Grey	0.1
10	Office North	Wall		Cinder Block	White	0.2
11	Office East	Ceiling		Plywood	White	0.4
12	Office South	Wall		Wood	White	-0.0
13	Office	Storm Door		Steel	Brown	-0.3
14	Office	Door	Trim	Wood	Brown	-0.1
15	Interior SE Garage	South Wall		Cinder Block	White	-0.1
16	Interior SE Garage	Window	Trim	Wood	White	0.0
17	Interior SE Garage	Door		Steel	Gray	0.1
18	Interior SE Garage	Door	Frame	Steel	Gray	-0.1
19	Interior SE Garage	Wall		Plywood	White	-0.3
20	Interior SE Garage	I Beam		Steel	Black	0.0
21	Interior North Center Storage	I Beam		Steel	Red	0.5
22	Interior North Center Storage	Entry Door		Wood	Aqua	-0.1
23	Interior North Center Storage	Entry Door	Frame	Wood	Aqua	-0.1
24	Interior North Center Storage	Closet Door		Steel	White	-0.1
25	Interior North Center Storage	Closet Door	Frame	Steel	White	-0.1
26	Interior North Center Storage	Wall		Cinder Block	White	-0.1
27	South Center Elec. Panel Room	Entry Door		Steel	White	0.2
28	South Center Elec. Panel Room	Entry Door	Frame	Steel	White	0.1
29	South Center Elec. Panel Room	South Wall		Cinder Block	Gray	-0.3
30	South Center Elec. Panel Room	Roof Joist		Wood	Gray	-0.1
31	South Center Elec. Panel Room	Deck/ceiling		Plywood	Gray	-0.1
32	South Center Elec. Panel Room	I Beam		Steel	Black	0.1
33	South Center Elec. Panel Room	Shelf		Steel	Yellow	0.0
34	Ice Room	Equipment Frame		Steel	Brown	1.3
35	Ice Room	Square Equipment Column		Steel	Gray	1.3
36	2nd Floor Refrig. Equip. Room	West Wall		Plywood	White	-0.1
37	2nd Floor Refrig. Equip. Room	North Wall		Cinder Block	White	-0.1
38	2nd Floor Refrig. Equip. Room	Ceiling		Plywood	White	-0.1
39	2nd Floor Refrig. Equip. Room	Floor		Plywood	Gray	0.0

**APPENDIX F - XRF ANALYTICAL SAMPLING RESULTS**

205C Channel Drive

11/25/2014

<u>Reading</u>	<u>Location</u>	<u>Structure</u>	<u>Feature</u>	<u>Substrate</u>	<u>Color</u>	<u>Lead</u>
<u>Number</u>						<u>(mg/cm2)</u>
1	Calibration					1.9
2	Calibration					2.0
3	Calibration					2.0
4	Exterior West	Wall		Cinder Block	White	0.1
5	Exterior West	Wall		Wood	White	0.0
6	Exterior North	Wall		Concrete	White	0.1
7	Exterior East	Wall		Concrete	White	0.2
8	Exterior South	Wall		Wood	Aqua	-0.2
9	Exterior South	Soffit		Wood	White	-0.1
10	Interior North	Wall		Drywall	Tan	-0.1
11	Interior North	Wall		Cinder Block	Tan	-0.1
12	Interior East	Wall		Drywall	Tan	-0.0
13	Interior South	Wall		Drywall	Tan	-0.1
14	Interior South	Wall		Drywall	Tan	-0.0
15	Interior West	Wall		Drywall	Tan	-0.1
16	Interior	Ceiling		Drywall	Tan	-0.0
17	Interior	Ceiling		Drywall	Tan	-0.1
18	Interior	Column		Steel	Brown	-0.1
19	Interior	Column		Steel	White	-0.0

**APPENDIX F - XRF ANALYTICAL SAMPLING RESULTS**

209 Channel Avenue

11/24/2014

<u>Reading</u>	<u>Location</u>	<u>Structure</u>	<u>Feature</u>	<u>Substrate</u>	<u>Color</u>	<u>Lead</u>
<u>Number</u>						<u>(mg/cm2)</u>
1	Calibration					2.0
2	Calibration					2.0
3	Calibration					1.9
4	Large Open Room	Wall		Cement Block	Aqua	-0.1
5	Large Open Room	Wall		Drywall	White	0.1
6	Large Open Room	Beam		Steel	White	-0.1
7	Large Open Room	Beam		Steel	White	-0.1
8	Center Room	Door	Frame	Wood	Brown	-0.1
9	Center Room	Wall		Cement Block	Aqua	-0.1
10	Bathroom	Door	Frame	Wood	Brown	-0.2
11	Center Room	Wall		Cement Block	White	-0.1
12	Center Room	Window	Frame	Wood	Aqua	-0.1
13	Bayside Room	Ceiling		Drywall	White	-0.1
14	Bayside Room	Wall		Rough Cement	White	-0.2



**APPENDIX F - XRF ANALYTICAL SAMPLING RESULTS**

301 Channel Avenue

11/26/2014

<u>Reading</u>	<u>Location</u>	<u>Structure</u>	<u>Feature</u>	<u>Substrate</u>	<u>Color</u>	<u>Lead</u>
<u>Number</u>						<u>(mg/cm2)</u>
1	Calibration					2.0
2	Calibration					2.0
3	Calibration					1.9
4	Break Room	Wall		Drywall	Tan	
5	Break Room	Door		Metal	Gray	0.0
6	Break Room	Door	Frame	Metal	Gray	0.1
7	Break Room	Window	Sill	Wood	White	-0.1
8	Break Room	Door	Frame	Wood	White	-0.1
9	Warehouse	Wall		Cinder Block	Tan	0.4
10	Warehouse	Column		Metal	Tan	-0.1
11	Warehouse	Door		Metal	Tan	0.0
12	Ladies Restroom	Door	Frame	Wood	Tan	-0.2
13	Ladies Restroom	Floor		Concrete	Gray	-0.1
14	Ladies Restroom	Window	Frame	Wood	White	-0.2
15	Ladies Restroom	Wall		Concrete	White	0.0
16	Ladies Restroom	Stall		Metal	Gray	0.0
17	Warehouse	Door	Frame	Metal	Black	0.4
18	Cold Storage	Railing		Wood	Yellow	0.0
19	Cold Storage	Column		Metal	Yellow	0.2
20	Cold Storage	Door		Metal	White	0.0
21	Large Storage	Railing		Metal	Yellow	-0.2
22	Large Storage	Wall		Styrofoam	Yellow	-0.2
23	Outside	Railing		Metal	Yellow	-0.1
24	Outside	Railing		Metal	Yellow	-0.1
25	Outside	Stringer		Metal	Black	-0.1
26	Outside	Tread		Metal	Yellow	0.0
27	Outside	Wall		Cinder Block	White	-0.1
28	Outside	Door		Metal	Gray	-0.1
29	Outside	Door	Frame	Metal	Gray	-0.1
30	Outside	Door		Metal	White	-0.2
31	Outside	Door	Frame	Wood	White	-0.1
32	Warehouse	Column		Metal	White	-0.1
33	Mechanical Room	Door		Metal	White	0.1
34	Mechanical Room	Wall		Cinder Block	Tan	-0.2
35	Mechanical Room	Window	Frame	Wood	Tan	-0.3
36	Office	Wall		Drywall	Green	-0.1
37	Office	Wall		Wood	Green	0.0
38	Office	Wall		Wood	Green	-0.1