

## Appendix F

NOTE:

The laboratory results for EMSL order 041021729  
shows samples labeled with ERN and ERS  
which should read as CRN and CRS.



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 856-4800 Fax: (856) 736-5974 Email: westmontasbleb@EMSL.com

Attn: Bob Kirchherr
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street
Suite 500
Springfield, MA 01103

Customer ID: ENVI07
Customer PO:
Received: 09/21/10 9:20 AM
EMSL Order: 041021729

Fax: (413) 788-8830 Phone: (413) 788-6222
Project: 2188-01-02 GRACE

EMSL Proj:
Analysis Date: 9/21/2010

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Table with 5 columns: Sample, Description, Appearance, Result, Notes. Contains 5 rows of sample data, all with 'None Detected' results.

Initial report from 09/21/2010 18:54:24

Analyst(s)

Chris Little (5)

Handwritten signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NYS ELAP 10872



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

041021729

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: *D'Reilly Talbot & Okun*  
Street: *2913 Bridge St. Suite 500*  
City: *Springfield* State/Province: *MA* Zip/Postal Code: *01103* Country: *USA*  
Report To (Name): *Bob Kirchherr* Fax #: *413-788-8830*  
Telephone #: *413-531-1122* Email Address: *Kirchherr@OTO-ENV.COM*  
Project Name/Number: *Grace/2118-07-02*  
Please Provide Results:  Fax  Email Purchase Order: \_\_\_\_\_ U.S. State Samples Taken: *MA*

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

|   |  |   |
|---|--|---|
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA<br><b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <i>Qual</i><br><input type="checkbox"/> PLM EPA NOB (<1%)<br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312<br><b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5<br><b>TEM - Water:</b> EPA 100.2<br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking | <b>TEM - Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)<br><b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative)<br><b>Other:</b><br><input type="checkbox"/> |
|---|--|---|

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: \_\_\_\_\_ Samplers Signature: \_\_\_\_\_

| Sample #            | Sample Description     | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|---------------------|------------------------|----------------------------------|----------------------|
| <i>ERN-4/6/8</i>    | <i>Composite 3"-6"</i> |                                  | <i>9/17/10</i>       |
| <i>EL</i>           | <i>Composite 3"-6"</i> |                                  |                      |
| <i>ERS</i>          | <i>Composite 3"-6"</i> |                                  |                      |
| <i>ERN 10/12/14</i> | <i>Composite 3"-6"</i> |                                  |                      |
| <i>ERN 6TH</i>      | <i>Composite 3"-6"</i> |                                  |                      |
|                     |                        |                                  |                      |
|                     |                        |                                  |                      |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: *5*

Relinquished (Client): *Chris A. [Signature]* Date: *9/17/10* Time: *10:00*

Received (Lab): *DNB-UPS 920A* Date: *9-21-10* Time: \_\_\_\_\_

Comments/Special Instructions:  
*Call Bob Kirchherr with any questions*



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Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 09/27/10 11:00 AM  
EMSL Order: 041022244

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/WR GRACE CO - EASTHAMPTON

EMSL Proj:  
Analysis Date: 9/28/2010

### 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                       |
| TP 2-01<br>041022244-0006 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 3-01<br>041022244-0011 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 3-02<br>041022244-0012 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 4-01<br>041022244-0016 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 4-02<br>041022244-0017 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous |               | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 5-01<br>041022244-0021 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 5-02<br>041022244-0022 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | 2% Cellulose  | 98% Non-fibrous (other)  | <1% Tremolite/<br>Actinolite |

Initial report from 09/29/2010 07:01:19

Analyst(s)

Chris Little (20)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



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EMSL Order: 041022244

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/WR GRACE CO - EASTHAMPTON

EMSL Proj:  
Analysis Date: 9/28/2010

### 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                       |
| TP 5-03<br>041022244-0023 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 5-05<br>041022244-0025 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 5-06<br>041022244-0026 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 5-07<br>041022244-0027 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 5-11<br>041022244-0031 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 7-01<br>041022244-0038 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |
| TP 7-02<br>041022244-0039 | PIPELINE    | Brown<br>Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | <1% Tremolite/<br>Actinolite |

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Analyst(s)

Chris Little (20)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Suite 500
Springfield, MA 01103

Customer ID: ENVI07
Customer PO:
Received: 09/27/10 11:00 AM
EMSL Order: 041022244

Fax: (413) 788-8830 Phone: (413) 788-6222
Project: 2118-01-02/WR GRACE CO - EASTHAMPTON

EMSL Proj:
Analysis Date: 9/28/2010

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

Table with 7 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, Asbestos % Type. Rows include TP 8-01, TP 8-02, TP 9-01, TP 9-02, TP 9-03, TP 9-04.

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 09/29/2010 07:01:19

Analyst(s)

Chris Little (20)

Signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

046022244



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(800) 220-3675  
(856) 858-4960 Fax

Your Name: **DAVID ABAD** Project Manager: **Bob Kirchherr**

Company: **O'Reilly, Talbot, Okun**

Street: **293 Bridge Street - Suite 500**

City/State/Zip: **Springfield, MA 01103**

Phone: **413-788-6222** Fax: **413-788-8830** Email: **abad@oto-env.com**

Project Name: **WR Grace Co.** Project #: **2118-01-02**

Project Location: **Easthampton** Project State (US): **MA**

TURNAROUND TIME

3 Hours  6 Hours  12 Hours  24 Hours  48 Hours  72 Hours  4 Days  5 Days  6-10 Days

SAMPLE MATRIX

Air  Bulk  Soil  Wipe  Micro-Vac  Drinking Water  Wastewater  Chips  Other

ASBESTOS ANALYSIS

**PCM - Air**

NIOSH 7400 (A) Issue 2: August 1994

OSHA w/TWA

**TEM AIR**

AHERA 40 CFR, Part 763 Subpart E

NIOSH 7402 Issue 2

EPA Level II

**PLM - Bulk**

EPA 600/R-93/116 *Qualitative*

NY Stratified Point Count

California Air Resource Board (CARB) 435

NIOSH 9002

PLM NOB (Gravimetric) NYS 198.1

EPA Point Count (400 Points)

EPA Point Count (1,000 Points)

Standard Addition Point Count

**SOILS**

EPA Protocol Qualitative

EPA Protocol Quantitative

EMSL MSD 9000 Method fibers/gram

Superfund EPA 540-R097-028 (dust generation)

**TEM BULK**

Drop Mount (Qualitative)

Chatfield SOP-1988-02

TEM NOB (Gravimetric) NY 198.4

**TEM MICROVAC**

ASTM D 5755-95 (Quantitative)

**TEM WIPE**

ASTM D-6480-99

Qualitative

**TEM WATER**

EPA 100.1

EPA 100.2

NYS 198.2

Other: \_\_\_\_\_

LEAD ANALYSIS

**Flame Atomic Absorption**

Wipe, SW846-7420  ASTM  non ASTM

Soil, SW846-7420

Air, NIOSH 7082

Chips, SW846-7420 or AOAC 5 009 (974.02)

Wastewater, SW 846-7420

TCLP LEAD SW846-1311/7420

**Graphite Furnace Atomic Absorption**

Air, NIOSH 7105

Wastewater, SW846-7421

Soil, SW846-7421

Drinking Water, EPA 239.2

**ICP - Inductively Coupled Plasma**

Wipe, SW846-6010  ASTM  non ASTM

Soil, SW846-6010

Air, NIOSH 7300

MATERIALS ANALYSIS

Full Particle Identification

Optical Particle Identification

Dust Mites and Insect Fragments

Particle Size & Distribution

Product Comparison

Paint Characterization

Failure Analysis

Corrosion Analysis

Glove Box Containment Study

Petrographic Examination of Concrete

Portland Cement in Workplace Atmospheres (OSHA ID-143)

Man Made Vitrous Fibers - MMVF's

Synthetic Fiber Identification

Other: \_\_\_\_\_

MICROBIAL ANALYSIS

**Air Samples**

Mold & Fungi by Air O Cell

Mold & Fungi by Agar Plate count & id

Bacterial Count and Gram Stain

Bacterial Count and Identification

**Water Samples**

Total Coliforms, Fecal Coliforms

Escherichia Coli, Fecal Streptococcus

Legionella

Salmonella

Giardia and Cryptosporidium

**Wipe and Bulk Samples**

Mold & Fungi - Direct Examination

Mold & Fungi - (Culture follow up to direct examination if necessary)

Mold & Fungi - Culture (Count & ID)

Mold & Fungi - Culture (Count only)

Bacterial Count & Gram Stain

Bacterial Count & Identification (3 most prominent types)

Other: \_\_\_\_\_

IAQ ANALYSIS

Nuisance Dust (NIOSH 0500 & 0600)

Airborne Dust (PM10, TSP)

Silica Analysis by XRD  Niosh 7500

HVAC Efficiency

Carbon Black

Airborne Oil Mist

Other: \_\_\_\_\_

Additional Information/Comments/Instructions: \_\_\_\_\_

|                     |                   |             |                |       |
|---------------------|-------------------|-------------|----------------|-------|
| Client Sample # (S) | TP 1-01           | TP - 9 - 05 | TOTAL SAMPLE # | 52    |
| Relinquished:       | <i>DAVID ABAD</i> | Date:       | <i>9/24/10</i> | Time: |
| Received:           |                   | Date:       |                | Time: |
| Relinquished:       |                   | Date:       |                | Time: |
| Received:           | <i>DP VPS 910</i> | Date:       |                | Time: |



www.emsl.com

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EMSL – NY  
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(212) 290-0058 Fax

EMSL – NJ  
200 Route 130 North  
Cinnaminson, NJ 08108  
(800) 220-3675  
(856) 858-4960 Fax

041022244

| SAMPLE NUMBER | SAMPLE DESCRIPTION | LOCATION | HOMOGENOUS # |
|---------------|--------------------|----------|--------------|
| TP 1- 01      | Soil               | Pipeline |              |
| TP 1- 02      | Soil               | Pipeline |              |
| TP 1- 03      | Soil               | Pipeline |              |
| TP 1- 04      | Soil               | Pipeline |              |
| TP 1- 05      | Soil               | Pipeline |              |
| TP 2- 01      | Soil               | Pipeline |              |
| TP 2- 02      | Soil               | Pipeline |              |
| TP 2- 03      | Soil               | Pipeline |              |
| TP 2- 04      | Soil               | Pipeline |              |
| TP 2- 05      | Soil               | Pipeline |              |
| TP 3- 01      | Soil               | Pipeline |              |
| TP 3- 02      | Soil               | Pipeline |              |
| TP 3- 03      | Soil               | Pipeline |              |
| TP 3- 04      | Soil               | Pipeline |              |
| TP 3- 05      | Soil               | Pipeline |              |
| TP 4- 01      | Soil               | Pipeline |              |
| TP 4- 02      | Soil               | Pipeline |              |
| TP 4- 03      | Soil               | Pipeline |              |
| TP 4- 04      | Soil               | Pipeline |              |
| TP 4- 05      | Soil               | Pipeline |              |
| TP 5- 01      | Soil               | Pipeline |              |
| TP 5- 02      | Soil               | Pipeline |              |
| TP 5- 03      | Soil               | Pipeline |              |
| TP 5- 04      | Soil               | Pipeline |              |
| TP 5- 05      | Soil               | Pipeline |              |
| TP 5- 06      | Soil               | Pipeline |              |
| TP 5- 07      | Soil               | Pipeline |              |
| TP 5- 08      | Soil               | Pipeline |              |
| TP 5- 09      | Soil               | Pipeline |              |

10 SEP 27 AM 11:00

041022244



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200 Route 130 North  
Cinnaminson, NJ 08108  
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(856) 858-4960 Fax

|           |      |          |
|-----------|------|----------|
| TP 5 – 10 | Soil | Pipeline |
| TP 5 – 11 | Soil | Pipeline |
| TP 5 – 12 | Soil | Pipeline |
| TP 6 – 01 | Soil | Pipeline |
| TP 6 – 02 | Soil | Pipeline |
| TP 6 – 03 | Soil | Pipeline |
| TP 6 – 04 | Soil | Pipeline |
| TP 6 – 05 | Soil | Pipeline |
| TP 7 – 01 | Soil | Pipeline |
| TP 7 – 02 | Soil | Pipeline |
| TP 7 – 03 | Soil | Pipeline |
| TP 7 – 04 | Soil | Pipeline |
| TP 7 – 05 | Soil | Pipeline |
| TP 8 – 01 | Soil | Pipeline |
| TP 8 – 02 | Soil | Pipeline |
| TP 8 – 03 | Soil | Pipeline |
| TP 8 – 04 | Soil | Pipeline |
| TP 8 – 05 | Soil | Pipeline |
| TP 9 – 01 | Soil | Pipeline |
| TP 9 – 02 | Soil | Pipeline |
| TP 9 – 03 | Soil | Pipeline |
| TP 9 – 04 | Soil | Pipeline |
| TP 9 – 05 | Soil | Pipeline |

Relinquished: \_\_\_\_\_

Received: \_\_\_\_\_

Relinquished: \_\_\_\_\_

Received: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

10 SEP 27 AM 11:00



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Attn: **Bob Kirchherr**  
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Project: 2118-01-02/WR GRACE CO - EASTHAMPTON

EMSL Proj:  
Analysis Date: 9/28/2010

**Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative**

| Sample                    | Description | Appearance | Result        | Notes |
|---------------------------|-------------|------------|---------------|-------|
| TP 1-01<br>041022244-0001 | PIPELINE    |            | None Detected |       |
| TP 1-02<br>041022244-0002 | PIPELINE    |            | None Detected |       |
| TP 1-03<br>041022244-0003 | PIPELINE    |            | None Detected |       |
| TP 1-04<br>041022244-0004 | PIPELINE    |            | None Detected |       |
| TP 1-05<br>041022244-0005 | PIPELINE    |            | None Detected |       |
| TP 2-02<br>041022244-0007 | PIPELINE    |            | None Detected |       |
| TP 2-03<br>041022244-0008 | PIPELINE    |            | None Detected |       |
| TP 2-04<br>041022244-0009 | PIPELINE    |            | None Detected |       |

Initial report from 09/29/2010 07:01:19

Analyst(s) \_\_\_\_\_

Chris Little (32)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 09/27/10 11:00 AM  
EMSL Order: 041022244

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/WR GRACE CO - EASTHAMPTON

EMSL Proj:  
Analysis Date: 9/28/2010

### Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

| Sample                    | Description | Appearance | Result        | Notes       |
|---------------------------|-------------|------------|---------------|-------------|
| TP 2-05<br>041022244-0010 | PIPELINE    |            | None Detected |             |
| TP 3-03<br>041022244-0013 | PIPELINE    |            | None Detected |             |
| TP 3-04<br>041022244-0014 | PIPELINE    |            | None Detected |             |
| TP 3-05<br>041022244-0015 | PIPELINE    |            | None Detected |             |
| TP 4-03<br>041022244-0018 | PIPELINE    |            | None Detected |             |
| TP 4-04<br>041022244-0019 | PIPELINE    |            | None Detected |             |
| TP 4-05<br>041022244-0020 | PIPELINE    |            | None Detected |             |
| TP 5-04<br>041022244-0024 | PIPELINE    |            | None Detected | Suggest TEM |

Initial report from 09/29/2010 07:01:19

Analyst(s) \_\_\_\_\_

Chris Little (32)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NYS ELAP 10872



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 858-4600 Fax: (856) 786-5974 Email: westmontashlab@EMSL.com

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**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 09/27/10 11:00 AM  
EMSL Order: 041022244

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/WR GRACE CO - EASTHAMPTON

EMSL Proj:  
Analysis Date: 9/28/2010

### Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

| Sample                    | Description | Appearance | Result        | Notes       |
|---------------------------|-------------|------------|---------------|-------------|
| TP 5-08<br>041022244-0028 | PIPELINE    |            | None Detected | SUGGEST TEM |
| TP 5-09<br>041022244-0029 | PIPELINE    |            | None Detected | SUGGEST TEM |
| TP 5-10<br>041022244-0030 | PIPELINE    |            | None Detected | SUGGEST TEM |
| TP 5-12<br>041022244-0032 | PIPELINE    |            | None Detected | SUGGEST TEM |
| TP 6-01<br>041022244-0033 | PIPELINE    |            | None Detected |             |
| TP 6-02<br>041022244-0034 | PIPELINE    |            | None Detected |             |
| TP 6-03<br>041022244-0035 | PIPELINE    |            | None Detected |             |
| TP 6-04<br>041022244-0036 | PIPELINE    |            | None Detected |             |

Initial report from 09/29/2010 07:01:19

Analyst(s) \_\_\_\_\_

Chris Little (32)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NYS ELAP 10872



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 858-4800 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 09/27/10 11:00 AM  
EMSL Order: 041022244

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/WR GRACE CO - EASTHAMPTON

EMSL Proj:  
Analysis Date: 9/28/2010

### Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

| Sample                    | Description | Appearance | Result        | Notes |
|---------------------------|-------------|------------|---------------|-------|
| TP 6-05<br>041022244-0037 | PIPELINE    |            | None Detected |       |
| TP 7-03<br>041022244-0040 | PIPELINE    |            | None Detected |       |
| TP 7-04<br>041022244-0041 | PIPELINE    |            | None Detected |       |
| TP 7-05<br>041022244-0042 | PIPELINE    |            | None Detected |       |
| TP 8-03<br>041022244-0045 | PIPELINE    |            | None Detected |       |
| TP 8-04<br>041022244-0046 | PIPELINE    |            | None Detected |       |
| TP 8-05<br>041022244-0047 | PIPELINE    |            | None Detected |       |
| TP 9-05<br>041022244-0052 | PIPELINE    |            | None Detected |       |

This is a qualitative soil analysis method. Due to the heterogeneity of the samples there is a significant chance for quantification errors and/or false negatives with this method.

Initial report from 09/29/2010 07:01:19

Analyst(s)

Chris Little (32)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NYS ELAP 10872

041022244



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4 Fairfield Blvd.  
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(203) 284-5948  
(203) 284-5978 Fax

EMSL – NY  
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New York, NY 10018  
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(212) 290-0058 Fax

EMSL – NJ  
200 Route 130 North  
Cinnaminson, NJ 08108  
(800) 220-3675  
(856) 858-4960 Fax

| SAMPLE NUMBER | SAMPLE DESCRIPTION | LOCATION | HOMOGENOUS # |
|---------------|--------------------|----------|--------------|
| TP 1-01       | Soil               | Pipeline |              |
| TP 1-02       | Soil               | Pipeline |              |
| TP 1-03       | Soil               | Pipeline |              |
| TP 1-04       | Soil               | Pipeline |              |
| TP 1-05       | Soil               | Pipeline |              |
| TP 2-01       | Soil               | Pipeline |              |
| TP 2-02       | Soil               | Pipeline |              |
| TP 2-03       | Soil               | Pipeline |              |
| TP 2-04       | Soil               | Pipeline |              |
| TP 2-05       | Soil               | Pipeline |              |
| TP 3-01       | Soil               | Pipeline |              |
| TP 3-02       | Soil               | Pipeline |              |
| TP 3-03       | Soil               | Pipeline |              |
| TP 3-04       | Soil               | Pipeline |              |
| TP 3-05       | Soil               | Pipeline |              |
| TP 4-01       | Soil               | Pipeline |              |
| TP 4-02       | Soil               | Pipeline |              |
| TP 4-03       | Soil               | Pipeline |              |
| TP 4-04       | Soil               | Pipeline |              |
| TP 4-05       | Soil               | Pipeline |              |
| TP 5-01       | Soil               | Pipeline |              |
| TP 5-02       | Soil               | Pipeline |              |
| TP 5-03       | Soil               | Pipeline |              |
| TP 5-04       | Soil               | Pipeline |              |
| TP 5-05       | Soil               | Pipeline |              |
| TP 5-06       | Soil               | Pipeline |              |
| TP 5-07       | Soil               | Pipeline |              |
| TP 5-08       | Soil               | Pipeline |              |
| TP 5-09       | Soil               | Pipeline |              |

10 SEP 27 AM 11:00

041022244



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 200 Route 130 North  
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 (800) 220-3675  
 (856) 858-4960 Fax

|           |      |          |
|-----------|------|----------|
| TP 5 – 10 | Soil | Pipeline |
| TP 5 – 11 | Soil | Pipeline |
| TP 5 – 12 | Soil | Pipeline |
| TP 6 – 01 | Soil | Pipeline |
| TP 6 – 02 | Soil | Pipeline |
| TP 6 – 03 | Soil | Pipeline |
| TP 6 – 04 | Soil | Pipeline |
| TP 6 – 05 | Soil | Pipeline |
| TP 7 – 01 | Soil | Pipeline |
| TP 7 – 02 | Soil | Pipeline |
| TP 7 – 03 | Soil | Pipeline |
| TP 7 – 04 | Soil | Pipeline |
| TP 7 – 05 | Soil | Pipeline |
| TP 8 – 01 | Soil | Pipeline |
| TP 8 – 02 | Soil | Pipeline |
| TP 8 – 03 | Soil | Pipeline |
| TP 8 – 04 | Soil | Pipeline |
| TP 8 – 05 | Soil | Pipeline |
| TP 9 – 01 | Soil | Pipeline |
| TP 9 – 02 | Soil | Pipeline |
| TP 9 – 03 | Soil | Pipeline |
| TP 9 – 04 | Soil | Pipeline |
| TP 9 – 05 | Soil | Pipeline |

Relinquished:

Received:

Relinquished:

Received:

Date:

Date:

Date:

Date:

Time:

Time:

Time:

Time:

10 SEP 27 AM 11:00

046022244



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(800) 220-3675  
(856) 858-4960 Fax

Your Name: **DAVID ABAD** Project Manager: **Bob Kirchherr**  
 Company: **O'Reilly, Talbot, Okun**  
 Street: **293 Bridge Street - Suite 500**  
 City/State/Zip: **Springfield, MA 01103**  
 Phone: **413-788-6222** Fax: **413-788-8830** Email: **abad@oto-env.com**  
 Project Name: **WR Grace Co.** Project #: **2118-01-02**  
 Project Location: **Easthampton** Project State (US): **MA**

TURNAROUND TIME

3 Hours  6 Hours  12 Hours  24 Hours  48 Hours  72 Hours  4 Days  5 Days  6-10 Days

SAMPLE MATRIX

Air  Bulk  Soil  Wipe  Micro-Vac  Drinking Water  Wastewater  Chips  Other

**ASBESTOS ANALYSIS**

- PCM - Air**  
 NIOSH 7400 (A) Issue 2: August 1994  
 OSHA w/TWA  
**TEM AIR**  
 AHERA 40 CFR, Part 763 Subpart E  
 NIOSH 7402 Issue 2  
 EPA Level II  
**PLM - Bulk**  
 EPA 600/R-93/116 *Qualitative*  
 NY Stratified Point Count  
 California Air Resource Board (CARB) 435  
 NIOSH 9002  
 PLM NOB (Gravimetric) NYS 198.1  
 EPA Point Count (400 Points)  
 EPA Point Count (1,000 Points)  
 Standard Addition Point Count  
**SOILS**  
 EPA Protocol Qualitative  
 EPA Protocol Quantitative  
 EMSL MSD 9000 Method fibers/gram  
 Superfund EPA 540-R097-028 (dust generation)  
**TEM BULK**  
 Drop Mount (Qualitative)  
 Chatfield SOP-1988-02  
 TEM NOB (Gravimetric) NY 198.4  
**TEM MICROVAC**  
 ASTM D 5755-95 (Quantitative)  
**TEM WIPE**  
 ASTM D-6480-99  
 Qualitative  
**TEM WATER**  
 EPA 100.1  
 EPA 100.2  
 NYS 198.2  
 Other

**LEAD ANALYSIS**

- Flame Atomic Absorption**  
 Wipe, SW846-7420  ASTM  non ASTM  
 Soil, SW846-7420  
 Air, NIOSH 7082  
 Chips, SW846-7420 or AOAC 5.009 (974.02)  
 Wastewater, SW 846-7420  
 TCLP LEAD SW846-1311/7420  
**Graphite Furnace Atomic Absorption**  
 Air, NIOSH 7105  
 Wastewater, SW846-7421  
 Soil, SW846-7421  
 Drinking Water, EPA 239.2  
**ICP - Inductively Coupled Plasma**  
 Wipe, SW846-6010  ASTM  non ASTM  
 Soil, SW846-6010  
 Air, NIOSH 7300

**MATERIALS ANALYSIS**

- Full Particle Identification  
 Optical Particle Identification  
 Dust Mites and Insect Fragments  
 Particle Size & Distribution  
 Product Comparison  
 Paint Characterization  
 Failure Analysis  
 Corrosion Analysis  
 Glove Box Containment Study  
 Petrographic Examination of Concrete  
 Portland Cement in Workplace Atmospheres (OSHA ID-143)  
 Man Made Vitrous Fibers -- MMVF's  
 Synthetic Fiber Identification  
 Other

**MICROBIAL ANALYSIS**

- Air Samples**  
 Mold & Fungi by Air O Cell  
 Mold & Fungi by Agar Plate count & id  
 Bacterial Count and Gram Stain  
 Bacterial Count and Identification  
**Water Samples**  
 Total Coliforms, Fecal Coliforms  
 Escherichia Coli, Fecal Streptococcus  
 Legionella  
 Salmonella  
 Giardia and Cryptosporidium  
**Wipe and Bulk Samples**  
 Mold & Fungi -- Direct Examination  
 Mold & Fungi -- (Culture follow up to direct examination if necessary)  
 Mold & Fungi -- Culture (Count & ID)  
 Mold & Fungi -- Culture (Count only)  
 Bacterial Count & Gram Stain  
 Bacterial Count & Identification (3 most prominent types)  
 Other

**IAQ ANALYSIS**

- Nuisance Dust (NIOSH 0500 & 0600)  
 Airborne Dust (PM10, TSP)  
 Silica Analysis by XRD  Niosh 7500  
 HVAC Efficiency  
 Carbon Black  
 Airborne Oil Mist  
 Other

Additional Information/Comments/Instructions:

Client Sample # (S) TP 1-01 - TP - 9 - 05 TOTAL SAMPLE # 52

Relinquished: David Abad Date: 9/24/10 Time: \_\_\_\_\_  
 Received: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received: DP VPS 910 Date: \_\_\_\_\_ Time: \_\_\_\_\_



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Customer ID: ENVI07  
Customer PO:  
Received: 10/07/10 10:20 AM  
EMSL Order: 041023072

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02 W.R. GRACE EASTHANPTON

EMSL Proj:  
Analysis Date: 10/7/2010

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

| Sample                  | Description      | Appearance                            | Non-Asbestos  |                          | Asbestos      |
|-------------------------|------------------|---------------------------------------|---------------|--------------------------|---------------|
|                         |                  |                                       | % Fibrous     | % Non-Fibrous            | % Type        |
| DOS-1<br>041023072-0001 | - COMPOSITE 3-6" | Brown<br>Non-Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | None Detected |
| DOS-2<br>041023072-0002 | - COMPOSITE 3-6" | Brown<br>Non-Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | None Detected |

This method is designed for relatively homogenous bulk building materials and can produce results that may not provide the analytical reliability for which the method was intended. EMSL recommends further, more comprehensive testing.

Initial report from 10/08/2010 11:03:12

Analyst(s)

Jerry Cherian (2)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ

041023072



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Chris Streeter

Project Manager:

Bob Kirchherr

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City/State/Zip:

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Phone:

413-789-6222

Fax: 413-789-8830

Email: Kirchherr@OTO-ENV.com

Project Name

W. R. Grace

Project #:

2118-01-02

Project Location:

Easthampton

Project State (US): MA

TURNAROUND TIME

- 3 Hours
- 6 Hours
- 12 Hours
- 24 Hours
- 48 Hours
- 72 Hours
- 4 Days
- 5 Days
- 6-10 Days

SAMPLE MATRIX

- Air
- Bulk
- Soil
- Wipe
- Micro-Vac
- Drinking Water
- Wastewater
- Chips
- Other

ASBESTOS ANALYSIS

PCM - Air

- NIOSH 7400 (A) Issue 2: August 1994
- OSHA w/TWA

TEM AIR

- AHERA 40 CFR, Part 763 Subpart E
- NIOSH 7402 Issue 2

EPA Level II

- EPA 600/R-93/116

Qualitative

NY Stratified Point Count

- California Air Resource Board (CARB) 435
- NIOSH 9002

PLMNOB (Gravimetric) NYS 198.1

- EPA Point Count (400 Points)
- EPA Point Count (1,000 Points)
- Standard Addition Point Count

SOILS

- EPA Protocol Qualitative
- EPA Protocol Quantitative
- EMSL MSD 9000 Method fibers/gram
- Superfund EPA 540-R097-028 (dust generation)

TEM BULK

- Drop Mount (Qualitative)
- Chatfield SOP-1988-02
- TEMNOB (Gravimetric) NY 198.4

TEM MICROVAC

- ASTM D 5755-95 (Quantitative)

TEM WIPE

- ASTM D-6480-99

TEM WATER

- Qualitative
- EPA 100.1
- EPA 100.2
- NYS 198.2
- Other:

LEAD ANALYSIS

Flame Atomic Absorption

- Wipe, SW846-7420  ASTM  non ASTM
- Soil, SW846-7420
- Air, NIOSH 7082
- Chips, SW846-7420 or AOAC 5.009 (974.02)
- Wastewater, SW 846-7420
- TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption

- Air, NIOSH 7105
- Wastewater, SW846-7421
- Soil, SW846-7421
- Drinking Water, EPA 239.2

ICP - Inductively Coupled Plasma

- Wipe, SW846-6010  ASTM  non ASTM
- Soil, SW846-6010
- Air, NIOSH 7300

MATERIALS ANALYSIS

- Full Particle Identification
- Optical Particle Identification
- Dust Mites and Insect Fragments
- Particle Size & Distribution
- Product Comparison
- Paint Characterization
- Failure Analysis
- Corrosion Analysis
- Glove Box Containment Study
- Petrographic Examination of Concrete
- Portland Cement in Workplace Atmospheres (OSHA ID-143)
- Man Made Vitreous Fibers - MMVF's
- Synthetic Fiber Identification
- Other:

MICROBIAL ANALYSIS

Air Samples

- Mold & Fungi by Air O Cell
- Mold & Fungi by Agar Plate count & id
- Bacterial Count and Gram Stain
- Bacterial Count and Identification

Water Samples

- Total Coliforms, Fecal Coliforms
- Escherichia Coli, Fecal Streptococcus
- Legionella

Salmonella

- Giardia and Cryptosporidium

Wipe and Bulk Samples

- Mold & Fungi - Direct Examination
- Mold & Fungi - (Culture follow up to direct examination if necessary)
- Mold & Fungi - Culture (Count & ID)
- Mold & Fungi - Culture (Count only)
- Bacterial Count & Gram Stain
- Bacterial Count & Identification (3 most prominent types)
- Other:

IAQ ANALYSIS

- Nuisance Dust (NIOSH 0500 & 0600)
- Airborne Dust (PM10, TSP)
- Silica Analysis by XRD  Niosh 7500
- HVAC Efficiency
- Carbon Black
- Airborne Oil Mist
- Other:

Additional Information/Comments/Instructions:

Any Question Call Bob Kirchherr

at 413-531-1122

Client Sample # (S)

DOS-1

DOS-2

TOTAL SAMPLE #

2

Relinquished:

Chris A. Streeter

Date:

10/5/10

Time:

15:00

Received:

Date:

Time:

Relinquished:

Date:

Time:

Received:

DMB-LPS 1020A

Date:

10-7-10

Time:





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Customer ID: ENVI07
Customer PO:
Received: 10/20/10 10:30 AM
EMSL Order: 041024241

Fax: (413) 788-8830 Phone: (413) 788-6222
Project: 2118-01-02/W.R. GRACE

EMSL Proj:
Analysis Date: 10/22/2010

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

Table with 7 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, Asbestos % Type. Rows include R.R. COMP, AREA "D" NORTH COMP, AREA "D" SOUTH COMP, LLSS-35-5' E, and LLSS-35-5' W.

Initial report from 10/22/2010 20:06:09

Analyst(s)

Nancy Stalter (9)

Handwritten signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



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**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 10/20/10 10:30 AM  
EMSL Order: 041024241

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/W.R. GRACE

EMSL Proj:  
Analysis Date: 10/22/2010

**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        |
| LLSS-35-5' N<br>041024241-0008 |             | Brown<br>Fibrous<br>Heterogeneous | 8% Cellulose | 92% Non-fibrous (other) | None Detected |
| SUGGEST TEM                    |             |                                   |              |                         |               |
| LLSS-23-5 E<br>041024241-0010  |             | Brown<br>Fibrous<br>Heterogeneous | 3% Cellulose | 97% Non-fibrous (other) | None Detected |
| SUGGEST TEM                    |             |                                   |              |                         |               |
| LLSS-23-5' S<br>041024241-0012 |             | Brown<br>Fibrous<br>Heterogeneous | 5% Cellulose | 95% Non-fibrous (other) | None Detected |
| SUGGEST TEM                    |             |                                   |              |                         |               |
| LLSS-23-5' W<br>041024241-0014 |             | Brown<br>Fibrous<br>Heterogeneous | 5% Cellulose | 95% Non-fibrous (other) | <1% Tremolite |
| SUGGEST TEM                    |             |                                   |              |                         |               |

Initial report from 10/22/2010 20:06:09

Analyst(s)

Nancy Stater (9)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to the 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. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government. The test results contained within this report meet the requirements of NELAC unless otherwise specified. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

041024241

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Talbot Tokun  
 Street: 293 Bridge St. Suite 500  
 City: Springfield State/Province: MA  
 Report To (Name): Bob Kirchherr  
 Telephone #: 413-531-1122  
 Project Name/Number: W.R. Grace 2118-01-02  
 Please Provide Results:  Fax  Email Purchase Order: \_\_\_\_\_ U.S. State Samples Taken: MA

EMSL-Bill to:  Same  Different  
 If Bill to is Different note instructions in Comments\*\*  
 Third Party Billing requires written authorization from third party  
 Zip/Postal Code: 01103 Country: USA  
 Fax #: \_\_\_\_\_ Email Address: Kirchherr  
 Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**  
 NIOSH 7400  
 w/ OSHA 8hr. TWA

**PLM - Bulk (reporting limit)**  
 PLM EPA 600/R-93/116 (<1% Quantitative)  
 PLM EPA NOB (<1%)  
 Point Count  
 400 (<0.25%)  1000 (<0.1%)  
 Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

**TEM - Air**  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312

**TEM - Bulk**  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5

**TEM - Water: EPA 100.2**  
 Fibers >10µm  Waste  Drinking  
 All Fiber Sizes  Waste  Drinking

**TEM - Dust**  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)

**Soil/Rock/Vermiculite**  
 TEM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)  
 Other: \_\_\_\_\_

Check For Positive Stop - Clearly Identify Homogenous Group  
 Samplers Name: Chris Streetter Samplers Signature: Chris A Streetter

| Sample #                 | Sample Description       | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|--------------------------|--------------------------|----------------------------------|----------------------|
| R.R. Comp                | Rail Road Tie Composite  |                                  | 10/18/10 11:45       |
| Area "D" North Comp      | Area "D" Composite North |                                  | 10/19/10 11:00       |
| Area "D" South Composite | South Composite          |                                  | 10/19/10 11:10       |
| (See Comments)           | LLSS-35-5' E             |                                  | 10/19/10 9:45        |
|                          | LLSS-35-10' E            |                                  |                      |
|                          | LLSS-35-5' W             |                                  |                      |
|                          | LLSS-35-10' W            |                                  |                      |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: \_\_\_\_\_  
 Relinquished (Client): Chris A Streetter Date: 10/19/10 Time: 12:00  
 Received (Lab): DMB-UPS-10A Date: 10-20-10 Time: \_\_\_\_\_  
 Comments/Special Instructions: Analyze all 5' samples and any 10' where 5' was positive - only



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

041024241

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Sample #                        | Sample Description | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled                                   |
|---------------------------------|--------------------|----------------------------------|--|
|                                 | LLSS-35-5' N       |                                  | 10/19/10 9:45  |
|                                 | LLSS-35-10' N      |                                  | ↓  |
|                                 | LLSS-23-5' E       |                                  | 10/19/10 10:30   |
|                                 | LLSS-23-10' E      |                                  | ↓  |
|                                 | LLSS-23-5' S       |                                  | ↓  |
|                                 | LLSS-23-10' S      |                                  | ↓  |
|                                 | LLSS-23-5' W       |                                  | ↓  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  |  |
|                                 |                    |                                  | 10 OCT 20 11:10:31                                     |
|                                 |                    |                                  | EMSL ANALYTICAL, INC.                                  |
|                                 |                    |                                  | SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL, INC. |
| *Comments/Special Instructions: |                    |                                  |  |

041024241

**Bayer, Danielle**

---

**From:** Siegel, Stephen  
**Sent:** Wednesday, October 13, 2010 1:19 PM  
**To:** Corporate - Asbestos Login  
**Cc:** Corporate - PLM; Nardozzi, Chris  
**Subject:** ENVI07 O'Reilly, Talbot & Okun Associates, Inc.  
**Follow Up Flag:** Follow up  
**Flag Status:** Red  
**Attachments:** 041023346\_coc.pdf

Please note that for this client- WE ARE DOING PLM SOIL login as matrix bulk test PLM

For the final report we add the following report comment

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Please also note that this exception is being made based on prior EPA contracts and test protocols. For any other clients/soils we do not normally do PLM QUANT but we do PLM CARB, TEM CARB, PLM ASTM Sieving Etc.

Steve

10/14/2010



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 785-5974 Email: westmontaslab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/02/10 10:30 AM  
EMSL Order: 041025279

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/W.R. GRACE

EMSL Proj:  
Analysis Date: 11/2/2010

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

| Sample   | Description                                | Appearance                        | Non-Asbestos |                         | Asbestos             |
|--|--|-----------------------------------|--------------|-------------------------|----------------------|
|  |  |                                   | % Fibrous    | % Non-Fibrous           | % Type               |
| RRRW-01<br>041025279-0001  | RAIL ROAD<br>RIGHT OF WAY-<br>COMPOSITE    | Brown<br>Fibrous<br>Heterogeneous | 1% Cellulose | 99% Non-fibrous (other) | <b>None Detected</b> |
| This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types, can produce results that may not provide the analytical reliability for which the method was intended. |  |                                   |              |                         |                      |
| RRRW-02<br>041025279-0002  | RAIL ROAD<br>RIGHT OF WAY-<br>02 COMPOSITE | Brown<br>Fibrous<br>Heterogeneous | 1% Cellulose | 99% Non-fibrous (other) | <b>None Detected</b> |
| This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types, can produce results that may not provide the analytical reliability for which the method was intended. |  |                                   |              |                         |                      |

Initial report from 11/02/2010 14:06:42

Analyst(s)

Chris Dojliko (2)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS & TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041025279

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: *O'Reilly Talent + Okun*  
 Street: *293 Bridge St. Suite 500*  
 City: *Springfield* State/Province: *MA* Zip/Postal Code: *01103* Country: *USA*  
 Report To (Name): *Bob Kirchherr* Fax #:  
 Telephone #: *413-531-1122* Email Address: *kirchherr@OTO-ENV.COM*  
 Project Name/Number: *W.R. Grace 2118-01-02*  
 Please Provide Results:  Fax  Email Purchase Order: U.S. State Samples Taken: *MA*

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**  
 NIOSH 7400  
 w/ OSHA 8hr. TWA

**PLM - Bulk (reporting limit)**  
 PLM EPA 600/R-93/116 (<1%) *Quantitative*  
 PLM EPA NOB (<1%)  
 Point Count  
 400 (<0.25%)  1000 (<0.1%)  
 Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

**TEM - Air**  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312

**TEM - Bulk**  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5

**TEM - Water:** EPA 100.2  
 Fibers >10µm  Waste  Drinking  
 All Fiber Sizes  Waste  Drinking

**TEM - Dust**  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)

**Soil/Rock/Vermiculite**  
 PLM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)

**Other:**

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: *Chris Streeter* Samplers Signature: *Chris A. Streeter*

| Sample #       | Sample Description                        | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|----------------|---|----------------------------------|----------------------|
| <i>RRRW-01</i> | <i>Rail Road Right of Way - Composite</i> |                                  | <i>11/1/10</i>       |
| <i>RRRW-02</i> | <i>" " " " " " O2 Composite</i>           |                                  | <i>11/1/10</i>       |
|                |   |                                  |                      |
|                |   |                                  |                      |
|                |   |                                  |                      |
|                |   |                                  |                      |

SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL INC.

Client Sample # (s): Total # of Samples: *2*

Relinquished (Client): *Chris A. Streeter* Date: *11/1/10* Time: *14:30*

Received (Lab): *DMB-UPS-10A* Date: *11-2-10* Time:

Comments/Special Instructions:  
*Any questions please call Bob Kirchherr*



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontashlab@EMSL.com

Attn: Bob Kirchherr
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street
Suite 500
Springfield, MA 01103

Customer ID: ENVI07
Customer PO:
Received: 11/03/10 10:15 AM
EMSL Order: 041025445

Fax: (413) 788-8830 Phone: (413) 788-6222
Project: 2118-01-02/W.R. GRACE

EMSL Proj:
Analysis Date: 11/3/2010

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

Table with 7 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, Asbestos % Type. Rows include LLSS-0269, RRRW-03, and RRRW-04.

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/04/2010 09:05:32

Analyst(s)

Chris Little (3)

Handwritten signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041025445

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

| Company: <u>O'Reilly Talbot &amp; O'Kun</u>   |  | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different<br>If Bill to is Different note instructions in Comments**  |                                     |
|---|--|---|-------------------------------------|
| Street: <u>293 Bridge St. Suite 500</u>   |  | Third Party Billing requires written authorization from third party   |                                     |
| City: <u>Springfield</u>  | State/Province: <u>MA</u>                  | Zip/Postal Code: <u>01103</u>   | Country: <u>USA</u>                 |
| Report To (Name): <u>Bob Kirchherr</u>  |  | Fax #:  |                                     |
| Telephone #: <u>413-531-1122</u>  |  | Email Address: <u>Kirchherr@OTO-ENV.COM</u>   |                                     |
| Project Name/Number: <u>W.R. Grace 2118-01-07</u>   |  |   |                                     |
| Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email  |  | Purchase Order:   | U.S. State Samples Taken: <u>MA</u> |
| <b>Turnaround Time (TAT) Options* - Please Check</b>  |  |   |                                     |
| <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week  |  |   |                                     |
| *For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.   |  |   |                                     |
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA  |  | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312   |                                     |
| <b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <u>Quantitative</u><br><input type="checkbox"/> PLM EPA NOB (<1%) <u>- five</u><br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) |  | <b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5<br><b>TEM - Water:</b> EPA 100.2<br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking |                                     |
|   |  | <b>TEM- Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)  |                                     |
|   |  | <b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative)                 |                                     |
| <input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group  |  |   |                                     |
| Samplers Name: <u>Chris Streeter</u>  |  | Samplers Signature: <u>Chris Streeter</u>   |                                     |
| Sample #  | Sample Description                         | Volume/Area (Air)<br>HA # (Bulk)  | Date/Time<br>Sampled                |
| <u>USS-0269</u>   | <u>Material Limit Soil Sample 026-9"</u>   |   | <u>11/2/10</u>                      |
| <u>RRRW-03</u>  | <u>Rail Road Right of Way 03 Composite</u> |   |                                     |
| <u>RRRW-04</u>  | <u>" " " " " 04 Composite</u>              |   |                                     |
|   |  |   |                                     |
|   |  |   |                                     |
|   |  |   |                                     |
|   |  |   |                                     |
|   |  |   |                                     |
| Client Sample # (s):  |  | Total # of Samples: <u>3</u>  |                                     |
| Relinquished (Client): <u>Chris Streeter</u> Date: <u>11/2/10</u>   |  | Time: <u>14:30</u>  |                                     |
| Received (Lab): <u>MMB-US-9205</u> Date: <u>11-3-10</u>   |  | Time:   |                                     |
| Comments/Special Instructions:  |  |   |                                     |

SAMPLE RECEIVED  
 11/2/10  
 10:00 AM  
 CHRIS STREETER



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasbiab@EMSL.com

Attn: Bob Kirchherr
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street
Suite 500
Springfield, MA 01103

Customer ID: ENVI07
Customer PO:
Received: 11/05/10 9:20 AM
EMSL Order: 041025589

Fax: (413) 788-8830 Phone: (413) 788-6222
Project: 2118-01-02 W.R. GRACE

EMSL Proj:
Analysis Date: 11/7/2010

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

Table with 7 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, Asbestos % Type. Contains two rows of data for samples RRRW-05 and RRRW-06, both showing 'None Detected' asbestos.

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/08/2010 09:46:09

Analyst(s)

Melissa Klinedinst (2)

Handwritten signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

0011025589

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Talbot + Okun  
 Street: 293 Bridge St. Suite 500  
 City: Springfield State/Province: MA  
 Report To (Name): Bob Kirchherr Zip/Postal Code: 01103 Country: USA  
 Telephone #: 413-531-1122 Fax #:  
 Project Name/Number: W.R. Grace 2118-01-02 Email Address: Kirchherr@OTO-ENV.com  
 Please Provide Results:  Fax  Email Purchase Order: U.S. State Samples Taken:

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**  
 NIOSH 7400  
 w/ OSHA 8hr. TWA

**PLM - Bulk (reporting limit)**  
 PLM EPA 600/R-93/116 (<1%) Quant. -  
 PLM EPA NOB (<1%) Yative  
 Point Count  
 400 (<0.25%)  1000 (<0.1%)  
 Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

**TEM - Air**  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312

**TEM - Bulk**  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5

**TEM - Water:** EPA 100.2  
 Fibers >10µm  Waste  Drinking  
 All Fiber Sizes  Waste  Drinking

**TEM - Dust**  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)

**Soil/Rock/Vermiculite**  
 PLM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)

**Other:**

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streetter Samplers Signature: Chris Streetter

| Sample # | Sample Description                 | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|----------|------------------------------------|----------------------------------|----------------------|
| RRRW-05  | Railroad Right of Way 05 Composite |                                  | 11/3/10              |
| RRRW-06  | " " " " " 06 Composite             |                                  | 11/3/10              |
|          |                                    |                                  |                      |
|          |                                    |                                  |                      |
|          |                                    |                                  |                      |
|          |                                    |                                  |                      |
|          |                                    |                                  |                      |
|          |                                    |                                  |                      |

SAMPLES ACCEPTED BY  
 EMSL ANALYTICAL, INC.  
 NOV - 5 AM 9:22

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 2  
 Relinquished (Client): Chris Streetter Date: 11/3/10 Time: 15:00  
 Received (Lab): MMB-UPS-920A Date: 11-5-10 Time:  
 Comments/Special Instructions:



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontashlab@EMSL.com

Attn: Bob Kirchherr
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street
Suite 500
Springfield, MA 01103

Customer ID: ENVI07
Customer PO:
Received: 11/05/10 10:07 AM
EMSL Order: 041025581

Fax: (413) 788-8830 Phone: (413) 788-6222
Project: 2118-01-02 W.R. GRACE

EMSL Proj:
Analysis Date: 11/7/2010

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

Table with 7 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, Asbestos % Type. Contains two rows of data for samples RRRW-07 and RRRW-08, both showing 3% Cellulose and 97% Non-fibrous (other), with 'None Detected' for Asbestos.

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/08/2010 09:43:22

Analyst(s)

Melissa Klinedinst (2)

Handwritten signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041025581

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Talbot & Okun  
 Street: 293 Bridge St. Suite 500  
 City: Springfield State/Province: MA Zip/Postal Code: 01103 Country: USA  
 Report To (Name): Bob Kirchherr Fax #:  
 Telephone #: 413-531-1122 Email Address: Kirchherr@OTO-ENV.COM  
 Project Name/Number: W.A. Grace 2118-01-02  
 Please Provide Results:  Fax  Email Purchase Order: U.S. State Samples Taken:

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**  
 NIOSH 7400  
 w/ OSHA 8hr. TWA  
**PLM - Bulk (reporting limit)**  
 PLM EPA 600/R-93/116 (<1%) Quanti-  
 PLM EPA NOB (<1%) tative  
 Point Count  
 400 (<0.25%)  1000 (<0.1%)  
 Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

**TEM - Air**  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312  
**TEM - Bulk**  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5  
**TEM - Water:** EPA 100.2  
 Fibers >10µm  Waste  Drinking  
 All Fiber Sizes  Waste  Drinking

**TEM - Dust**  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)  
**Soil/Rock/Vermiculite**  
 PLM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)  
**Other:**

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streeter Samplers Signature: Chris A. Streeter

| Sample # | Sample Description                  | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|----------|-------------------------------------|----------------------------------|----------------------|
| RRRW-07  | Rail Road Right of Way Composite 07 |                                  | 11/4/10              |
| RRRW-08  | " " " " " " " 08                    |                                  |                      |
| RRRW-09  | " " " " " " " 09                    |                                  |                      |
|          |                                     |                                  |                      |
|          |                                     |                                  |                      |
|          |                                     |                                  |                      |
|          |                                     |                                  |                      |
|          |                                     |                                  |                      |

Client Sample # (s): Total # of Samples: 3 2  
 Relinquished (Client): Chris A. Streeter Date: 11/4/10 Time: 15:00  
 Received (Lab): OTMB-LPS-920A Date: 11-5-10 Time:  
 Comments/Special Instructions:

SAMPLES ACCEPTED  
 ANALYSIS BY  
 EMSL ANALYTICAL INC  
 10 NOV - 5 AM 9:22



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 788-5974 Email: westmontaslab@EMSL.com

Attn: Bob Kirchherr
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street
Suite 500
Springfield, MA 01103

Customer ID: ENVI07
Customer PO:
Received: 11/08/10 9:20 AM
EMSL Order: 041025762

Fax: (413) 788-8830 Phone: (413) 788-6222
Project: 2118-01-02 W.R.GRACE

EMSL Proj:
Analysis Date: 11/8/2010

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

Table with 7 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, % Type, Asbestos. Contains two rows of data for samples RRRW-17 and RRRW-16, both showing 100% Non-fibrous (other) and None Detected Asbestos.

Initial report from 11/09/2010 06:59:50

Analyst(s)

Will DiBella (2)

Handwritten signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to the 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. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government. The test results contained within this report meet the requirements of NELAC unless otherwise specified. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041025703

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

|   |                           |  |                     |
|---|---------------------------|--|---------------------|
| Company: <u>O'Reilly Talbot Tokun</u>   |                           | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different<br>If Bill to is Different note instructions in Comments** |                     |
| Street: <u>293 Bridge St. Suite 500</u>   |                           | Third Party Billing requires written authorization from third party  |                     |
| City: <u>Springfield</u>  | State/Province: <u>MA</u> | Zip/Postal Code: <u>01103</u>  | Country: <u>USA</u> |
| Report To (Name): <u>Bob Kirchner</u>   |                           | Fax #:   |                     |
| Telephone #: <u>413-531-1122</u>  |                           | Email Address: <u>Kirchner@OTO.EMV.COM</u>   |                     |
| Project Name/Number: <u>W.R. Grace 2118-01-02</u>                                   |                           |  |                     |
| Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email |                           | Purchase Order: _____ U.S. State Samples Taken:  |                     |

**Furnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

|   |   |   |
|---|---|---|
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA  | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312 | <b>TEM - Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)   |
| <b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <i>Quantitative</i><br><input type="checkbox"/> PLM EPA NOB (<1%)<br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) | <b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5               | <b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative) |
| <b>TEM - Water: EPA 100.2</b><br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking  |   | <b>Other:</b><br><input type="checkbox"/>   |

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streeter      Samplers Signature: Chris A. Streeter

| Sample #       | Sample Description                           | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|----------------|--|----------------------------------|----------------------|
| <u>RRRW-17</u> | <u>Rail Road Right of Way 17 - Composite</u> |                                  | <u>11/5/10</u>       |
| <u>RRRW-16</u> | <u>" " " " 16 - Composite</u>                |                                  | <u>11/5/10</u>       |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 2

Relinquished (Client): Chris A. Streeter Date: 11/5/10 Time: 15:00

Received (Lab): DNMB-UPS-920A Date: 11/8/10 Time: \_\_\_\_\_

Comments/Special Instructions: \_\_\_\_\_



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-8974 Email: washmontaslab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/09/10 10:10 AM  
EMSL Order: 041025832

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **W.R. GRACE 2118-01-02**

EMSL Proj:  
Analysis Date: 11/9/2010

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

| Sample                    | Description                              | Appearance                            | Non-Asbestos |                         | Asbestos      |
|---------------------------|--|---------------------------------------|--------------|-------------------------|---------------|
|                           |  |                                       | % Fibrous    | % Non-Fibrous           | % Type        |
| RRRW-09<br>041025832-0005 | RAILROAD<br>RIGHT OF WAY<br>09 COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous | 3% Cellulose | 97% Non-fibrous (other) | None Detected |
| RRRW-13<br>041025832-0006 | RAILROAD<br>RIGHT OF WAY<br>13 COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |
| RRRW-14<br>041025832-0007 | RAILROAD<br>RIGHT OF WAY<br>14 COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |
| RRRW-15<br>041025832-0008 | RAILROAD<br>RIGHT OF WAY<br>15 COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous | 5% Cellulose | 95% Non-fibrous (other) | None Detected |

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/10/2010 09:15:48

Analyst(s)

Daniel Sivco (3)  
Will DiBella (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041025832

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

|  |                           |  |                                     |
|--|---------------------------|--|-------------------------------------|
| Company: <i>O'Reilly Tacket + Okun</i>   |                           | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different<br>If Bill to is Different note instructions in Comments** |                                     |
| Street: <i>293 Bridge St. Suite 500</i>  |                           | Third Party Billing requires written authorization from third party  |                                     |
| City: <i>Springfield</i>   | State/Province: <i>MA</i> | Zip/Postal Code: <i>01103</i>  | Country: <i>USA</i>                 |
| Report To (Name): <i>Bob Kirchherr</i>   |                           | Fax #:   |                                     |
| Telephone #: <i>413-531-1122</i>   |                           | Email Address: <i>Kirchherr@OTV-ENV.COM</i>  |                                     |
| Project Name/Number: <i>W.R. Grace 2118-01-02</i>  |                           |  |                                     |
| Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email |                           | Purchase Order:  | U.S. State Samples Taken: <i>MA</i> |

Turnaround Time (TAT) Options\* - Please Check

3 Hour  
  6 Hour  
  24 Hour  
  48 Hour  
  72 Hour  
  96 Hour  
  1 Week  
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

|   |   |   |
|---|---|---|
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA  | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312 | <b>TEM - Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)   |
| <b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <i>Quantitative</i><br><input type="checkbox"/> PLM EPA NOB (<1%)<br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) | <b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5               | <b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative) |
| <b>TEM - Water: EPA 100.2</b><br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking  |   | <b>Other:</b><br><input type="checkbox"/>   |

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: *Chris Streeter*      Samplers Signature: *Chris A. Streeter*

| Sample #       | Sample Description                        | Volume/Area (Air) HA # (Bulk)                        | Date/Time Sampled |
|----------------|---|--|-------------------|
| <i>RRRW-09</i> | <i>Railroad Right of Way 09 Composite</i> |  | <i>11/8/10</i>    |
| <i>RRRW-13</i> | <i>" " " " 13 Composite</i>               | SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL INC | NOV - 9 AM 10:27  |
| <i>RRRW-14</i> | <i>" " " " 14 Composite</i>               |  |                   |
| <i>RRRW-15</i> | <i>" " " " 15 Composite</i>               |  |                   |
|                |   |  |                   |

|  |                              |
|--|------------------------------|
| Client Sample # (s):   | Total # of Samples: <i>4</i> |
| Relinquished (Client): <i>Chris A. Streeter</i> Date: <i>11/8/10</i> | Time: <i>15:00</i>           |
| Received (Lab): <i>DNB-UPS-1010A</i> Date: <i>11-9-10</i>            | Time:                        |
| Comments/Special Instructions:                                       |                              |

**Bayer, Danielle**

041025832

---

**From:** Siegel, Stephen  
**Sent:** Wednesday, October 13, 2010 1:19 PM  
**To:** Corporate - Asbestos Login  
**Cc:** Corporate - PLM; Nardozzi, Chris  
**Subject:** ENVI07 O'Reilly, Talbot & Okun Associates, Inc.  
**Follow Up Flag:** Follow up  
**Flag Status:** Red  
**Attachments:** 041023346\_coc.pdf

Please note that for this client- WE ARE DOING PLM SOIL login as matrix bulk test PLM

For the final report we add the following report comment

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Please also note that this exception is being made based on prior EPA contracts and test protocols. For any other clients/soils we do not normally do PLM QUANT but we do PLM CARB, TEM CARB, PLM ASTM Sieving Etc.

Steve

10/14/2010



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontaslab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/10/10 9:15 AM  
EMSL Order: 041025965

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **WR GRACE 2118-01-02**

EMSL Proj:  
Analysis Date: 11/11/2010

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

| Sample                    | Description                               | Appearance                            | Non-Asbestos |                         | Asbestos       |
|---------------------------|---|---------------------------------------|--------------|-------------------------|----------------|
|                           |   |                                       | % Fibrous    | % Non-Fibrous           | % Type         |
| RRRW-10<br>041025965-0001 | RAILROAD<br>RIGHT OF WAY-<br>10 COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | <1% Actinolite |
| RRRW-11<br>041025965-0002 | RAILROAD<br>RIGHT OF WAY-<br>11 COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | <1% Actinolite |
| CP-18<br>041025965-0003   | CONCRETE AND<br>AREA<br>COMPOSITE         | Brown<br>Non-Fibrous<br>Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | <1% Actinolite |

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/11/2010 13:46:26

Analyst(s)

Peter Harrison (3)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

041025965

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Talbot & O'Keefe  
 Street: 293 Bridge St. Suite 506  
 City: Springfield State/Province: MA Zip/Postal Code: 01103 Country: USA  
 Report To (Name): Bob Kirchherr Fax #:  
 Telephone #: 413-531-1122 Email Address: Kirchherr@a070-ENV.com  
 Project Name/Number: W. R. Grace 2118-01-02  
 Please Provide Results:  Fax  Email  Purchase Order:  U.S. State Samples Taken:

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

|   |  |   |
|---|--|---|
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA<br><b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <i>Quantitative</i><br><input type="checkbox"/> PLM EPA NOB (<1%) <i>five</i><br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312<br><b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5<br><b>TEM - Water:</b> EPA 100.2<br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking | <b>TEM - Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)<br><b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative)<br><b>Other:</b><br><input type="checkbox"/> |
|---|--|---|

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streetor Samplers Signature: Chris A. Streetor

| Sample #       | Sample Description                         | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled        |
|----------------|--|-------------------------------|--------------------------|
| <u>RRRW-10</u> | <u>Railroad Right of Way -10 Composite</u> |                               | <u>11/9/10</u>           |
| <u>RRRW-11</u> | <u>" " " " -11 Composite</u>               |                               | <u>10 NOV 10 AM 9:38</u> |
| <u>CP-18</u>   | <u>Concrete And Area Composite</u>         |                               | <u>11/9/10</u>           |
|                |  |                               |                          |
|                |  |                               |                          |
|                |  |                               |                          |
|                |  |                               |                          |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 3  
 Relinquished (Client): Chris A. Streetor Date: 11/9/10 Time: 16:15  
 Received (Lab): DNB-WS-915A Date: 11.10.10 Time: \_\_\_\_\_  
 Comments/Special Instructions:

FOR ANALYSIS BY  
EMSL ANALYTICAL, INC.

**Bayer, Danielle**

041025965

**From:** Siegel, Stephen  
**Sent:** Wednesday, October 13, 2010 1:19 PM  
**To:** Corporate - Asbestos Login  
**Cc:** Corporate - PLM; Nardozzi, Chris  
**Subject:** ENVI07 O'Reilly, Talbot & Okun Associates, Inc.  
**Follow Up Flag:** Follow up  
**Flag Status:** Red  
**Attachments:** 041023346\_coc.pdf

Please note that for this client- WE ARE DOING PLM SOIL login as matrix bulk test PLM

For the final report we add the following report comment

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Please also note that this exception is being made based on prior EPA contracts and test protocols. For any other clients/soils we do not normally do PLM QUANT but we do PLM CARB, TEM CARB, PLM ASTM Sieving Etc.

Steve

10/14/2010



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 229-3675 Fax: (856) 786-6974 Email: [westmontasbiab@EMSL.com](mailto:westmontasbiab@EMSL.com)

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/11/10 9:20 AM  
EMSL Order: 041026080

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **W.R GRACE 2118-01-22**

EMSL Proj:  
Analysis Date: 11/11/2010

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

| Sample                    | Description                              | Appearance                        | Non-Asbestos |                         | Asbestos      |
|---------------------------|--|-----------------------------------|--------------|-------------------------|---------------|
|                           |  |                                   | % Fibrous    | % Non-Fibrous           | % Type        |
| RRRW-12<br>041026080-0001 | - RAIL ROAD<br>RIGHT OF WAY<br>COMPOSITE | Brown<br>Fibrous<br>Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |

Initial report from 11/11/2010 23:32:06

Analyst(s)

Chris Little (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041026080

EMSL ANALYTICAL,  
200 ROUTE 130 NORR.  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Talbot & Kun  
 Street: 293 Bridge St. Suite 500  
 City: Springfield State/Province: MA  
 Report To (Name): Bob Kirchherr Zip/Postal Code: 01103 Country: USA  
 Telephone #: 413-531-1122 Fax #:  
 Email Address: Kirchherr@OTO-ENV.COM  
 Project Name/Number: W.R. Grace 2118-01-02  
 Please Provide Results:  Fax  Email Purchase Order: U.S. State Samples Taken: MA

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**  
 NIOSH 7400  
 w/ OSHA 8hr. TWA  
**PLM - Bulk (reporting limit)**  
 PLM EPA 600/R-93/116 (<1%) Quantitative  
 PLM EPA NOB (<1%)  
 Point Count  
 400 (<0.25%)  1000 (<0.1%)  
 Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

**TEM - Air**  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312  
**TEM - Bulk**  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5  
**TEM - Water:** EPA 100.2  
 Fibers >10µm  Waste  Drinking  
 All Fiber Sizes  Waste  Drinking

**TEM - Dust**  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)  
**Soil/Rock/Vermiculite**  
 PLM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)  
**Other:**

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streeter

Samplers Signature: Chris A. Streeter

| Sample #       | Sample Description                         | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|----------------|--|----------------------------------|----------------------|
| <u>RRRW-12</u> | <u>Rail Road Right of Way 12 Composite</u> |                                  | <u>11/10/10</u>      |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |
|                |  |                                  |                      |

Client Sample # (s): Total # of Samples: 1  
 Relinquished (Client): Chris Streeter Date: 11/10/10 Time: 16:00  
 Received (Lab): DMB-UPS 920A Date: 11-11-10 Time:  
 Comments/Special Instructions:



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 229-3675 Fax: (856) 786-5974 Email: westmontaslab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/17/10 9:50 AM  
EMSL Order: 041026628

Fax: (413) 788-8830 Phone: (413) 788-6222

EMSL Proj:  
Analysis Date: 11/18/2010

Project: **W.R. GRACE**

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

| Sample                 | Description    | Appearance                            | Non-Asbestos  |                          | Asbestos      |
|------------------------|----------------|---------------------------------------|---------------|--------------------------|---------------|
|                        |                |                                       | % Fibrous     | % Non-Fibrous            | % Type        |
| PL-1<br>041026628-0001 | PL-1 COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous | <1% Cellulose | 100% Non-fibrous (other) | None Detected |

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/18/2010 09:20:41

Analyst(s)

Melissa Klinedinst (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041026628

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: *O'Reilly Talbot + Okun*  
 Street: *293 Bridge St. Suite 500*  
 City: *Springfield* State/Province: *MA* Zip/Postal Code: *01103* Country: *USA*  
 Report To (Name): *Bob Kirchner* Fax #:  
 Telephone #: *413-531-1122* Email Address: *Kirchner@OTO-ENV.com*  
 Project Name/Number: *W.R. Grace*  
 Please Provide Results:  Fax  Email Purchase Order: U.S. State Samples Taken:

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

|   |  |  |
|---|--|--|
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA<br><b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <i>Quantitative</i><br><input type="checkbox"/> PLM EPA NOB (<1%) <i>tive</i><br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312<br><b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5<br><b>TEM - Water:</b> EPA 100.2<br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking | <b>TEM- Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)<br><b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative)<br><b>Other:</b><br><input type="checkbox"/> |
|---|--|--|

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: *Chris Streetter* Samplers Signature: *Chris A. Streetter*

| Sample #    | Sample Description    | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled      |
|-------------|-----------------------|----------------------------------|---------------------------|
| <i>Pl-1</i> | <i>Pl-1 Composite</i> |                                  | <i>11/16/10</i>           |
|             |                       |                                  | <i>10/NOV 17 AM 11:06</i> |
|             |                       |                                  |                           |
|             |                       |                                  |                           |
|             |                       |                                  |                           |
|             |                       |                                  |                           |

Client Sample # (s): Total # of Samples: *1*  
 Relinquished (Client): *Chris Streetter* Date: *11/16/10* Time: *14:00*  
 Received (Lab): *UPS 950* Date: Time:  
 Comments/Special Instructions:

**Pullman, Daniel**

041026628

**From:** Siegel, Stephen  
**Sent:** Wednesday, November 10, 2010 9:18 AM  
**To:** Corporate - Asbestos Login  
**Cc:** Stanhope, Dave; Palmer, Wendy; Denton, Robyn  
**Subject:** ENVI07 O'Reilly WR GRACE 2118-01-02 Project  
**Importance:** High  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed  
**Attachments:** 041025832\_coc.pdf

Reminder

These are logged in as matrix **SOIL** and test **PLM**.

Samples go to bulk prep 1st for drying.

Thanks

Steve

11/17/2010



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5874 Email: westmontslab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/18/10 9:55 AM  
EMSL Order: 041026734

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **W.R GRACE 2118-01-02**

EMSL Proj:  
Analysis Date: 11/19/2010

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

| Sample                 | Description              | Appearance                            | Non-Asbestos |                          | Asbestos      |
|------------------------|--------------------------|---------------------------------------|--------------|--------------------------|---------------|
|                        |                          |                                       | % Fibrous    | % Non-Fibrous            | % Type        |
| PL-2<br>041026734-0001 | PIPE LINE 2<br>COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | None Detected |

suggest temThis method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/19/2010 06:38:58

Analyst(s)

Jerry Cherian (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041026734

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

|  |                           |   |                                     |
|--|---------------------------|---|-------------------------------------|
| Company: <i>O'Reilly Talcot Tokun</i>  |                           | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different<br><small>If Bill to is Different note instructions in Comments**</small> |                                     |
| Street: <i>293 Bridge St. Suite 500</i>  |                           | Third Party Billing requires written authorization from third party   |                                     |
| City: <i>Springfield</i>   | State/Province: <i>MA</i> | Zip/Postal Code: <i>01103</i>   | Country: <i>USA</i>                 |
| Report To (Name): <i>Bob Kirchherr</i>   |                           | Fax #:  |                                     |
| Telephone #: <i>413-531-1122</i>   |                           | Email Address: <i>Kirchherr@OTO-ENV.COM</i>   |                                     |
| Project Name/Number: <i>W.R. Grace 2118-01-02</i>  |                           |   |                                     |
| Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email |                           | Purchase Order:   | U.S. State Samples Taken: <i>MA</i> |

Turnaround Time (TAT) Options\* - Please Check

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

|   |   |   |
|---|---|---|
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA  | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312   | <b>TEM - Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)   |
| <b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <i>Quantitative</i><br><input type="checkbox"/> PLM EPA NOB (<1%) <i>tive</i><br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) | <b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5<br><b>TEM - Water: EPA 100.2</b><br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking | <b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative) |
| <b>Other:</b><br><input type="checkbox"/>   |   |   |

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: *Chris Streeter*      Samplers Signature: *Chris A. Streeter*

| Sample #    | Sample Description          | Volume/Area (Air)<br>HA # (Bulk)                      | Date/Time<br>Sampled   |
|-------------|-----------------------------|---|------------------------|
| <i>PL-2</i> | <i>Pipeline 2 Composite</i> |   | <i>11/17/10</i>        |
|             |                             | SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL INC. | <i>NOV 18 AM 10:21</i> |
|             |                             |   |                        |
|             |                             |   |                        |
|             |                             |   |                        |
|             |                             |   |                        |
|             |                             |   |                        |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: \_\_\_\_\_

Relinquished (Client): *Chris Streeter* Date: *11/17/10* Time: *14:30*

Received (Lab): *AMB-US-955A* Date: *11-18-10* Time: \_\_\_\_\_

Comments/Special Instructions:



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: wgs@montaslab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/18/10 9:55 AM  
EMSL Order: 041026728

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **W.R GRACE 2118-01-22**

EMSL Proj:  
Analysis Date: 11/19/2010

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

| Sample                 | Description              | Appearance                            | Non-Asbestos |                          | Asbestos             |
|------------------------|--------------------------|---------------------------------------|--------------|--------------------------|----------------------|
|                        |                          |                                       | % Fibrous    | % Non-Fibrous            | % Type               |
| PL-3<br>041026728-0001 | PIPE LINE 3<br>COMPOSITE | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | <b>None Detected</b> |

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Initial report from 11/19/2010 06:35:22

Analyst(s)

*Jerry Cherian (1)*

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

041026728

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

| Company: <u>O'Reilly Talbot &amp; Okun</u>  |                              | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different<br>If Bill to is Different note instructions in Comments**  |   |
|---|------------------------------|---|---|
| Street: <u>293 Bridge St. Suite 200</u>   |                              | Third Party Billing requires written authorization from third party   |   |
| City: <u>Springfield</u>  | State/Province: <u>MA</u>    | Zip/Postal Code: <u>01103</u>   | Country: <u>USA</u>                       |
| Report To (Name): <u>Bob Kirchner</u>   |                              | Fax #:  | Email Address: <u>Kirchner@OTO-EM.com</u> |
| Telephone #: <u>413-531-1122</u>  |                              | Project Name/Number: <u>W.R. Grace 2118-01-02</u>   |   |
| Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Purchase Order:   |                              | U.S. State Samples Taken: <u>MA</u>   |   |
| Turnaround Time (TAT) Options* - Please Check   |                              |   |   |
| <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week  |                              |   |   |
| *For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.  |                              |   |   |
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA  |                              | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312 |   |
| <b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <u>Quantitative</u><br><input type="checkbox"/> PLM EPA NOB (<1%)   |                              | <b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5               |   |
| Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%)  |                              | <b>TEM - Water:</b> EPA 100.2<br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking  |   |
| <input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group  |                              | <b>TEM - Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)   |   |
| <b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative) |                              | <b>Other:</b><br><input type="checkbox"/>   |   |
| Samplers Name: <u>Chris Streeter</u>  |                              | Samplers Signature: <u>Chris A. Streeter</u>  |   |
| Sample #  | Sample Description           | Volume/Area (Air)<br>HA # (Bulk)  | Date/Time<br>Sampled                      |
| <u>Ph-3</u>   | <u>Pipe Line 3 Composite</u> |   | <u>11/17/10</u>                           |
|   |                              |   |   |
|   |                              |   |   |
|   |                              |   |   |
|   |                              |   |   |
|   |                              |   |   |
|   |                              |   |   |
|   |                              |   |   |
|   |                              |   |   |
| Client Sample # (s):  |                              | Total # of Samples: <u>1</u>  |   |
| Relinquished (Client): <u>Chris Streeter</u> Date: <u>11/17/10</u>  |                              | Time: <u>15:30</u>  |   |
| Received (Lab): <u>DMB-WS-955A</u> Date: <u>11-18-10</u>  |                              | Time:   |   |
| Comments/Special Instructions:  |                              |   |   |



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontaslab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/01/10 11:00 AM  
EMSL Order: 041025196

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: 2118-01-02/W.R. GRACE

EMSL Proj:  
Analysis Date: 11/2/2010

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

| Sample                  | Description    | Appearance                      | Non-Asbestos |                         | Asbestos      |
|-------------------------|----------------|---------------------------------|--------------|-------------------------|---------------|
|                         |                |                                 | % Fibrous    | % Non-Fibrous           | % Type        |
| DOS 3<br>041025196-0001 | COMPOSITE 6-9" | Brown<br>Fibrous<br>Homogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |

Initial report from 11/02/2010 10:55:20

Analyst(s)

Dave Poitras (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041025196

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Talbot + Okun  
 Street: 293 Bridge St. Suite 500  
 City: Springfield State/Province: MA Zip/Postal Code: 01103 Country: USA  
 Report To (Name): Bob Kirchherr Fax #: \_\_\_\_\_ Email Address: Kirchherr@OTO-ENV.COM  
 Telephone #: 413-531-1122  
 Project Name/Number: W. R. Grace 2118-01-02  
 Please Provide Results:  Fax  Email Purchase Order: \_\_\_\_\_ U.S. State Samples Taken: MA

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

|   |  |  |
|---|--|--|
| <b>PCM - Air</b><br><input type="checkbox"/> NIOSH 7400<br><input type="checkbox"/> w/ OSHA 8hr. TWA<br><b>PLM - Bulk (reporting limit)</b><br><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <u>Quantitative</u><br><input type="checkbox"/> PLM EPA NOB (<1%) <u>five</u><br>Point Count<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br>Point Count w/Gravimetric<br><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)<br><input type="checkbox"/> NYS 198.1 (friable in NY)<br><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)<br><input type="checkbox"/> NIOSH 9002 (<1%) | <b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)<br><input type="checkbox"/> AHERA 40 CFR, Part 763<br><input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> EPA Level II<br><input type="checkbox"/> ISO 10312<br><b>TEM - Bulk</b><br><input type="checkbox"/> TEM EPA NOB<br><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)<br><input type="checkbox"/> Chatfield SOP<br><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5<br><b>TEM - Water:</b> EPA 100.2<br>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking<br>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking | <b>TEM- Dust</b><br><input type="checkbox"/> Microvac - ASTM D 5755<br><input type="checkbox"/> Wipe - ASTM D6480<br><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)<br><b>Soil/Rock/Vermiculite</b><br><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)<br><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)<br><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)<br><input type="checkbox"/> EPA Protocol (Semi-Quantitative)<br><input type="checkbox"/> EPA Protocol (Quantitative)<br><b>Other:</b><br><input type="checkbox"/> |
|---|--|--|

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streeter Samplers Signature: Chris A. Streeter

| Sample #     | Sample Description    | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|--------------|-----------------------|----------------------------------|----------------------|
| <u>DOS 3</u> | <u>Composite 6-9"</u> | <u>—</u>                         | <u>10/29/10</u>      |
|              |                       |                                  |                      |
|              |                       |                                  |                      |
|              |                       |                                  |                      |
|              |                       |                                  |                      |
|              |                       |                                  |                      |
|              |                       |                                  |                      |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 1  
 Relinquished (Client): Chris A. Streeter Date: 10/29/10 Time: 19:30  
 Received (Lab): UPS 915 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Comments/Special Instructions: \_\_\_\_\_



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 788-6974 Email: westmontasbiab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/19/10 9:20 AM  
EMSL Order: 041026816

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **W.R. GRACE 2118-01-02**

EMSL Proj:  
Analysis Date: 11/19/2010

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

| Sample                     | Description                           | Appearance                            | Non-Asbestos |                          | Asbestos      |
|----------------------------|---------------------------------------|---------------------------------------|--------------|--------------------------|---------------|
|                            |                                       |                                       | % Fibrous    | % Non-Fibrous            | % Type        |
| RRRN-10R<br>041026816-0001 | RAILROAD<br>RIGHT OF WAY<br>10 (REDO) | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | None Detected |
| RRRN-11R<br>041026816-0002 | RAILROAD<br>RIGHT OF WAY<br>10 (REDO) | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | None Detected |
| CP-18R<br>041026816-0003   | CONCRETE PAD<br>AREA 18 (REDO)        | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | None Detected |

Initial report from 11/20/2010 08:03:16

Analyst(s)

Jerry Cherian (3)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

0511026816

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Talbot + O'Kun  
 Street: 293 Bridge St. Suite 500  
 City: Springfield State/Province: MA Zip/Postal Code: 01103 Country: USA  
 Report To (Name): Bob Kirchherr Fax #:  
 Telephone #: 413-531-1122 Email Address: Kirchherr@OTO-ENV.COM  
 Project Name/Number: W.R. Grace 2118-01-02  
 Please Provide Results:  Fax  Email  Purchase Order: U.S. State Samples Taken: MA

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**  
 NIOSH 7400  
 w/ OSHA 8hr. TWA  
**PLM - Bulk (reporting limit)**  
 PLM EPA 600/R-93/116 (<1%) *Quantitative*  
 PLM EPA NOB (<1%) *tive*  
 Point Count  
 400 (<0.25%)  1000 (<0.1%)  
 Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

**TEM - Air**  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312

**TEM - Bulk**  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5

**TEM - Water: EPA 100.2**  
 Fibers >10µm  Waste  Drinking  
 All Fiber Sizes  Waste  Drinking

**TEM- Dust**  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)

**Soil/Rock/Vermiculite**  
 PLM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)

**Other:**

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streeter Samplers Signature: Chris A. Streeter

| Sample #        | Sample Description                     | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|-----------------|--|----------------------------------|----------------------|
| <u>RRRN-10R</u> | <u>Railroad Right of Way 10 (Redo)</u> |                                  | <u>11/18/10</u>      |
| <u>RRRN-11R</u> | <u>" " " " " (Redo)</u>                |                                  |                      |
| <u>CP-18R</u>   | <u>Concrete pad Area 18 (Redo)</u>     |                                  | <u>11/19/10</u>      |
|                 |  |                                  |                      |
|                 |  |                                  |                      |
|                 |  |                                  |                      |
|                 |  |                                  |                      |
|                 |  |                                  |                      |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 3  
 Relinquished (Client): Chris A. Streeter Date: 11/18/10 Time: 14:15  
 Received (Lab): DNB-UPS 920A Date: 11-19-10 Time: \_\_\_\_\_  
 Comments/Special Instructions:



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 766-6974 Email: [wastmontasbiab@EMSL.com](mailto:wastmontasbiab@EMSL.com)

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/19/10 9:20 AM  
EMSL Order: 041026815

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **W.R. GRACE 2118-01-02**

EMSL Proj:  
Analysis Date: 11/19/2010

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

| Sample                 | Description             | Appearance                          | Non-Asbestos |                          | Asbestos      |
|------------------------|-------------------------|-------------------------------------|--------------|--------------------------|---------------|
|                        |                         |                                     | % Fibrous    | % Non-Fibrous            | % Type        |
| PL-4<br>041026815-0001 | PIPELINE 4<br>COMPOSITE | Brown<br>Non-Fibrous<br>Homogeneous |              | 100% Non-fibrous (other) | None Detected |

Vermiculite and Soil are known problem matrices and negative results cannot be guaranteed. Additional analysis such as CARB 435 milling prep or ASTM Draft Soil Sieving is recommended for proper quantification of asbestos in vermiculite and soil.

Initial report from 11/19/2010 12:53:03

Analyst(s)

Leslie McCluskey (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041026815

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: *O'Reilly Talbot & O'Keefe*  
Street: *293 Bridge St. Suite 500*  
City: *Springfield* State/Province: *MA*

EMSL-Bill to:  Same  Different  
If Bill to is Different note instructions in Comments\*\*  
Third Party Billing requires written authorization from third party  
Zip/Postal Code: *01103* Country: *USA*

Report To (Name): *Bob Kirchherr*  
Telephone #: *413-531\*-1122*  
Project Name/Number: *W.R. Grace*  
Please Provide Results:  Fax  Email  Purchase Order:

Email Address: *Kirchherr@TD-ENV.com*  
*2118-01-02*

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
U.S. State Samples Taken: *MA*

PCM - Air  
 NIOSH 7400  
 w/ OSHA 8hr. TWA  
PLM - Bulk (reporting limit)  
 PLM EPA 600/R-93/116 (<1%) *Quantitative*  
 PLM EPA NOB (<1%) *+*  
Point Count  
 400 (<0.25%)  1000 (<0.1%)  
Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

TEM - Air  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312  
TEM - Bulk  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5  
TEM - Water: EPA 100.2  
Fibers >10µm  Waste  Drinking  
All Fiber Sizes  Waste  Drinking

TEM - Dust  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)  
Soil/Rock/Vermiculite  
 PLM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)  
Other:

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: *Chris Streeter*

Samplers Signature: *Chris A. Streeter*

| Sample #    | Sample Description          | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|-------------|-----------------------------|----------------------------------|----------------------|
| <i>PK-4</i> | <i>Pipeline 4 Composite</i> |                                  | <i>11/19/10</i>      |
|             |                             |                                  |                      |
|             |                             |                                  |                      |
|             |                             |                                  |                      |
|             |                             |                                  |                      |
|             |                             |                                  |                      |
|             |                             |                                  |                      |
|             |                             |                                  |                      |
|             |                             |                                  |                      |

Client Sample # (s):  
Relinquished (Client): *Chris A. Streeter* Date: *11/19/10* Total # of Samples: *1*  
Received (Lab): *DMB-UPS-920A* Date: *11.19.10* Time: *14:00*  
Comments/Special Instructions: Time:

SAMPLES ACCEPTED

**Bayer, Danielle**

041026815

**From:** Siegel, Stephen  
**Sent:** Wednesday, October 13, 2010 1:19 PM  
**To:** Corporate - Asbestos Login  
**Cc:** Corporate - PLM; Nardozzi, Chris  
**Subject:** ENVI07 O'Reilly, Talbot & Okun Associates, Inc.  
**Follow Up Flag:** Follow up  
**Flag Status:** Red  
**Attachments:** 041023346\_coc.pdf

Please note that for this client- WE ARE DOING PLM SOIL login as matrix bulk test PLM

For the final report we add the following report comment

This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended

Please also note that this exception is being made based on prior EPA contracts and test protocols. For any other clients/soils we do not normally do PLM QUANT but we do PLM CARB, TEM CARB, PLM ASTM Sieving Etc.

Steve

10/14/2010



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 788-6974 Email: westmontasblab@EMSL.com

Attn: **Bob Kirchherr**  
**O'Reilly, Talbot & Okun Associates, Inc.**  
**293 Bridge Street**  
**Suite 500**  
**Springfield, MA 01103**

Customer ID: ENVI07  
Customer PO:  
Received: 11/19/10 9:20 AM  
EMSL Order: 041026816

Fax: (413) 788-8830 Phone: (413) 788-6222  
Project: **W.R. GRACE 2118-01-02**

EMSL Proj:  
Analysis Date: 11/19/2010

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

| Sample                     | Description                           | Appearance                            | Non-Asbestos |                          | Asbestos      |
|----------------------------|---------------------------------------|---------------------------------------|--------------|--------------------------|---------------|
|                            |                                       |                                       | % Fibrous    | % Non-Fibrous            | % Type        |
| RRRN-10R<br>041026816-0001 | RAILROAD<br>RIGHT OF WAY<br>10 (REDO) | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | None Detected |
| RRRN-11R<br>041026816-0002 | RAILROAD<br>RIGHT OF WAY<br>10 (REDO) | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | None Detected |
| CP-18R<br>041026816-0003   | CONCRETE PAD<br>AREA 18 (REDO)        | Brown<br>Non-Fibrous<br>Heterogeneous |              | 100% Non-fibrous (other) | None Detected |

Initial report from 11/20/2010 08:03:16

Analyst(s)

Jerry Cherian (3)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

0511026816

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: O'Reilly Takbot + Okun  
 Street: 293 Bridge St. Suite 500  
 City: Springfield State/Province: MA Zip/Postal Code: 01103 Country: USA  
 Report To (Name): Bob Kirchherr Fax #:  
 Telephone #: 413-531-1122 Email Address: Kirchherr@OTO-ENV.COM  
 Project Name/Number: W.R. Grace 2118-01-02  
 Please Provide Results:  Fax  Email  Purchase Order: U.S. State Samples Taken: MA

Turnaround Time (TAT) Options\* - Please Check  
 3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 \*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**  
 NIOSH 7400  
 w/ OSHA 8hr. TWA  
**PLM - Bulk (reporting limit)**  
 PLM EPA 600/R-93/116 (<1%) *Quantitative*  
 PLM EPA NOB (<1%) *five*  
 Point Count  
 400 (<0.25%)  1000 (<0.1%)  
 Point Count w/Gravimetric  
 400 (<0.25%)  1000 (<0.1%)  
 NYS 198.1 (friable in NY)  
 NYS 198.6 NOB (non-friable-NY)  
 NIOSH 9002 (<1%)

**TEM - Air**  4-4.5hr TAT (AHERA only)  
 AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312

**TEM - Bulk**  
 TEM EPA NOB  
 NYS NOB 198.4 (non-friable-NY)  
 Chatfield SOP  
 TEM Mass Analysis-EPA 600 sec. 2.5

**TEM - Water:** EPA 100.2  
 Fibers >10µm  Waste  Drinking  
 All Fiber Sizes  Waste  Drinking

**TEM - Dust**  
 Microvac - ASTM D 5755  
 Wipe - ASTM D6480  
 Carpet Sonication (EPA 600/J-93/167)

**Soil/Rock/Vermiculite**  
 PLM CARB 435 - A (0.25% sensitivity)  
 PLM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - B (0.1% sensitivity)  
 TEM CARB 435 - C (0.01% sensitivity)  
 EPA Protocol (Semi-Quantitative)  
 EPA Protocol (Quantitative)

**Other:**

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Chris Streeter Samplers Signature: Chris A. Streeter

| Sample #        | Sample Description                     | Volume/Area (Air)<br>HA # (Bulk) | Date/Time<br>Sampled |
|-----------------|--|----------------------------------|----------------------|
| <u>RRRN-10R</u> | <u>Railroad Right of Way 10 (Redo)</u> |                                  | <u>11/18/10</u>      |
| <u>RRRN-11R</u> | <u>" " " " (Redo)</u>                  |                                  |                      |
| <u>CP-18R</u>   | <u>Concrete pad Area 18 (Redo)</u>     |                                  | <u>2</u>             |
|                 |  |                                  | <u>10/10/10</u>      |
|                 |  |                                  | <u>10/10/10</u>      |
|                 |  |                                  | <u>10/10/10</u>      |

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 3  
 Relinquished (Client): Chris A. Streeter Date: 11/18/10 Time: 14:15  
 Received (Lab): DNB-UPS 920A Date: 11-19-10 Time:  
 Comments/Special Instructions: