

LIMITATIONS

1. The observations presented in this report were made under the conditions described herein. The conclusions presented in this report were based solely upon the services described in the report and not on scientific tasks or procedures beyond the scope of the project or the time and budgetary constraints imposed by the client. The work described in this report was carried out in accordance with the contract Terms and Conditions.
2. In preparing the report O'Reilly, Talbot, Okun & Associates, Inc. relied on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state or local regulatory agencies at the time of the file review. Although there may have been some degree of overlap in the information provided by these sources, O'Reilly, Talbot, Okun & Associates, Inc. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this assessment.
3. Observations were made of the site and of the structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, we render no opinion as to the presence of asbestos containing materials or hazardous materials, or to the presence of indirect information relating to asbestos containing or hazardous materials in that portion of the site. In addition, we render no opinion as to the presence of asbestos containing or hazardous materials, where direct observations of portions of the site were obstructed by objects or coverings on or over these surfaces.
4. Unless otherwise specified in the Report, we did not perform testing or analyses to determine the presence or concentration of hazardous material or oil, or polychlorinated biphenyls (PCBs) at the site or in the environment at the site.
5. Our report was prepared for the exclusive benefit of our client. Reliance upon the report and its conclusions is not made to third parties or future property owners.

Appendix B

ORDER OF CONDITIONS

This is to certify the undersigned have read and understand this Order of Conditions issued by Easthampton Conservation Commission on August 30, 2010.

Name: Robert Medlar Date: 9/16/10

Robert Medlar, W.R. Grace & Co.

Name: Michael Martel Date: 9/20/10

Michael Martel, BGL Corp.



2010 00020339

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Recorded: 09/21/2010 02:44 PM



**Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands**

WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §4C

Provided by MassDEP:

MassDEP File #

151-264

eDEP Transaction #

EASTHAMPTON

City/Town

A. General Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. From: EASTHAMPTON
Conservation Commission

2. This issuance is for (check one):
a. ☒ Order of Conditions b. ☐ Amended Order of Conditions

3. To: Applicant:

ROBERT

a. First Name

MEDLER

b. Last Name

W.R. GRACE & CO.

c. Organization

6401 POPLAR AVENUE, SUITE 301

d. Mailing Address

MEMPHIS

e. City/Town

TN

f. State

38119-4840

g. Zip Code

4. Property Owner (if different from applicant):

SEE ATTACHED EXHIBIT A

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

5. Project Location:

19 WEMELCO WAY

a. Street Address

EASTHAMPTON

b. City/Town

164

c. Assessor's Map/Plat Number

2

d. Parcel/Lot Number

Latitude and Longitude, if known:

72d42m00s

d. Latitude

42d15m00s

e. Longitude



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A. General Information (cont.)

6. Property recorded at the Registry of Deeds for (attach additional information if more than one parcel):
HAMPSHIRE
a. County SEE EXHIBIT B b. Certificate Number (if registered land)
c. Book d. Page
7. Dates: August 9, 2010 August 23, 2010 August 30, 2010
a. Date Notice of Intent Filed b. Date Public Hearing Closed c. Date of Issuance
8. Final Approved Plans and Other Documents (attach additional plan or document references as needed):
Former W.R. Grace & Company Zonolite Facility Site Plan 1.2
a. Plan Title
O'Reilly, Talbot & Okun Not signed or stamped
b. Prepared By c. Signed and Stamped by
8/23/2010 1"=40'
d. Final Revision Date e. Scale
See Attachec Exhibit C
f. Additional Plan or Document Title g. Date

B. Findings

1. Findings pursuant to the Massachusetts Wetlands Protection Act:

Following the review of the above-referenced Notice of Intent and based on the information provided in this application and presented at the public hearing, this Commission finds that the areas in which work is proposed is significant to the following interests of the Wetlands Protection Act (the Act). Check all that apply:

- a. ☒ Public Water Supply b. ☐ Land Containing Shellfish c. ☒ Prevention of Pollution
d. ☒ Private Water Supply e. ☐ Fisheries f. ☒ Protection of Wildlife Habitat
g. ☒ Groundwater Supply h. ☒ Storm Damage Prevention i. ☐ Flood Control

2. This Commission hereby finds the project, as proposed, is: (check one of the following boxes)

Approved subject to:

- a. ☒ the following conditions which are necessary in accordance with the performance standards set forth in the wetlands regulations. This Commission orders that all work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.



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B. Findings (cont.)

Denied because:

- b. ☐ the proposed work cannot be conditioned to meet the performance standards set forth in the wetland regulations. Therefore, work on this project may not go forward unless and until a new Notice of Intent is submitted which provides measures which are adequate to protect the interests of the Act, and a final Order of Conditions is issued. **A description of the performance standards which the proposed work cannot meet is attached to this Order.**
- c. ☐ the information submitted by the applicant is not sufficient to describe the site, the work, or the effect of the work on the interests identified in the Wetlands Protection Act. Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides sufficient information and includes measures which are adequate to protect the Act's interests, and a final Order of Conditions is issued. **A description of the specific information which is lacking and why it is necessary is attached to this Order as per 310 CMR 10.05(6)(c).**
3. ☐ Buffer Zone Impacts: Shortest distance between limit of project disturbance and the wetland resource area specified in 310 CMR 10.02(1)(a) _____ a. linear feet

Inland Resource Area Impacts: Check all that apply below. (For Approvals Only)

| Resource Area | Proposed Alteration | Permitted Alteration | Proposed Replacement | Permitted Replacement |
|--|---------------------|----------------------|----------------------|-----------------------|
| 4. <input type="checkbox"/> Bank | a. linear feet | b. linear feet | c. linear feet | d. linear feet |
| 5. <input checked="" type="checkbox"/> Bordering Vegetated Wetland | 4,573 | 4,573 | 4,573 | 4,573 |
| | a. square feet | b. square feet | c. square feet | d. square feet |
| 6. <input type="checkbox"/> Land Under Waterbodies and Waterways | a. square feet | b. square feet | c. square feet | d. square feet |
| | e. c/y dredged | f. c/y dredged | | |
| 7. <input type="checkbox"/> Bordering Land Subject to Flooding | a. square feet | b. square feet | c. square feet | d. square feet |
| Cubic Feet Flood Storage | e. cubic feet | f. cubic feet | g. cubic feet | h. cubic feet |
| 8. <input type="checkbox"/> Isolated Land Subject to Flooding | a. square feet | b. square feet | | |
| Cubic Feet Flood Storage | c. cubic feet | d. cubic feet | e. cubic feet | f. cubic feet |
| 9. <input type="checkbox"/> Riverfront Area | a. total sq. feet | b. total sq. feet | | |
| Sq ft within 100 ft | c. square feet | d. square feet | e. square feet | f. square feet |
| Sq ft between 100-200 ft | g. square feet | h. square feet | i. square feet | j. square feet |



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B. Findings (cont.)

Coastal Resource Area Impacts: Check all that apply below. (For Approvals Only)

| | Proposed Alteration | Permitted Alteration | Proposed Replacement | Permitted Replacement |
|--|---|-------------------------|-------------------------|--------------------------|
| 10. <input type="checkbox"/> Designated Port Areas | Indicate size under Land Under the Ocean, below | | | |
| 11. <input type="checkbox"/> Land Under the Ocean | a. square feet | b. square feet | | |
| | c. c/y dredged | d. c/y dredged | | |
| 12. <input type="checkbox"/> Barrier Beaches | Indicate size under Coastal Beaches and/or Coastal Dunes below | | | |
| 13. <input type="checkbox"/> Coastal Beaches | a. square feet | b. square feet | cu yd c. nourishment | cu yd d. nourishment |
| 14. <input type="checkbox"/> Coastal Dunes | a. square feet | b. square feet | cu yd c. nourishment | cu yd d. nourishment |
| 15. <input type="checkbox"/> Coastal Banks | a. linear feet | b. linear feet | | |
| 16. <input type="checkbox"/> Rocky Intertidal Shores | a. square feet | b. square feet | | |
| 17. <input type="checkbox"/> Salt Marshes | a. square feet | b. square feet | c. square feet | d. square feet |
| 18. <input type="checkbox"/> Land Under Salt Ponds | a. square feet | b. square feet | | |
| | c. c/y dredged | d. c/y dredged | | |
| 19. <input type="checkbox"/> Land Containing Shellfish | a. square feet | b. square feet | c. square feet | d. square feet |
| 20. <input type="checkbox"/> Fish Runs | Indicate size under Coastal Banks, Inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above | | | |
| | a. c/y dredged | b. c/y dredged | | |
| 21. <input type="checkbox"/> Land Subject to Coastal Storm Flowage | a. square feet | b. square feet | | |



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B. Findings (cont.)

* #22. If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.5.c (BVW) or B.17.c (Salt Marsh) above, please enter the additional amount here.

22. ☐ Restoration/Enhancement *:

a. square feet of BVW

b. square feet of salt marsh

23. ☐ Stream Crossing(s):

a. number of new stream crossings

b. number of replacement stream crossings

C. General Conditions Under Massachusetts Wetlands Protection Act

The following conditions are only applicable to Approved projects.

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.
4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
 - a. the work is a maintenance dredging project as provided for in the Act; or
 - b. the time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance. If this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
6. If this Order constitutes an Amended Order of Conditions, this Amended Order of Conditions does not extend the issuance date of the original Final Order of Conditions and the Order will expire on _____ unless extended in writing by the Department.
7. Any fill used in connection with this project shall be clean fill. Any fill shall contain no trash, refuse, rubbish, or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles, or parts of any of the foregoing.
8. This Order is not final until all administrative appeal periods from this Order have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed.



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

9. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to the Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work.
10. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words,

"Massachusetts Department of Environmental Protection" [or, "MassDEP"]
"File Number 151-264 "
11. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before MassDEP.
12. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Conservation Commission.
13. The work shall conform to the plans and special conditions referenced in this order.
14. Any change to the plans identified in Condition #13 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
15. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
16. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.
17. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Conservation Commission.



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

18. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Conservation Commission, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.

NOTICE OF STORMWATER CONTROL AND MAINTENANCE REQUIREMENTS

19. The work associated with this Order (the "Project") is (1) ☐ is not (2) ☒ subject to the Massachusetts Stormwater Standards. If the work is subject to the Stormwater Standards, then the project is subject to the following conditions:

a) All work, including site preparation, land disturbance, construction and redevelopment, shall be implemented in accordance with the construction period pollution prevention and erosion and sedimentation control plan and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Construction General Permit as required by Stormwater Condition 8. Construction period erosion, sedimentation and pollution control measures and best management practices (BMPs) shall remain in place until the site is fully stabilized.

b) No stormwater runoff may be discharged to the post-construction stormwater BMPs unless and until a Registered Professional Engineer provides a Certification that:

- i. all construction period BMPs have been removed or will be removed by a date certain specified in the Certification. For any construction period BMPs intended to be converted to post construction operation for stormwater attenuation, recharge, and/or treatment, the conversion is allowed by the MassDEP Stormwater Handbook BMP specifications and that the BMP has been properly cleaned or prepared for post construction operation, including removal of all construction period sediment trapped in inlet and outlet control structures;
- ii. as-built final construction BMP plans are included, signed and stamped by a Registered Professional Engineer, certifying the site is fully stabilized;
- iii. any illicit discharges to the stormwater management system have been removed, as per the requirements of Stormwater Standard 10;
- iv. all post-construction stormwater BMPs are installed in accordance with the plans (including all planting plans) approved by the issuing authority, and have been inspected to ensure that they are not damaged and that they are in proper working condition;
- v. any vegetation associated with post-construction BMPs is suitably established to withstand erosion.



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

c) The landowner is responsible for BMP maintenance until the issuing authority is notified that another party has legally assumed responsibility for BMP maintenance. Prior to requesting a Certificate of Compliance, or Partial Certificate of Compliance, the responsible party (defined in General Condition 18(e)) shall execute and submit to the issuing authority an Operation and Maintenance Compliance Statement ("O&M Statement") for the Stormwater BMPs identifying the party responsible for implementing the stormwater BMP Operation and Maintenance Plan ("O&M Plan") and certifying the following: *i.*) the O&M Plan is complete and will be implemented upon receipt of the Certificate of Compliance, and *ii.*) the future responsible parties shall be notified in writing of their ongoing legal responsibility to operate and maintain the stormwater management BMPs and implement the Stormwater Pollution Prevention Plan.

d) Post-construction pollution prevention and source control shall be implemented in accordance with the long-term pollution prevention plan section of the approved Stormwater Report and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Multi-Sector General Permit.

e) Unless and until another party accepts responsibility, the landowner, or owner of any drainage easement, assumes responsibility for maintaining each BMP. To overcome this presumption, the landowner of the property must submit to the issuing authority a legally binding agreement of record, acceptable to the issuing authority, evidencing that another entity has accepted responsibility for maintaining the BMP, and that the proposed responsible party shall be treated as a permittee for purposes of implementing the requirements of Conditions 18(f) through 18(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 18(f) through 18(k) with respect to that BMP shall be a violation of the Order of Conditions or Certificate of Compliance. In the case of stormwater BMPs that are serving more than one lot, the legally binding agreement shall also identify the lots that will be serviced by the stormwater BMPs. A plan and easement deed that grants the responsible party access to perform the required operation and maintenance must be submitted along with the legally binding agreement.

f) The responsible party shall operate and maintain all stormwater BMPs in accordance with the design plans, the O&M Plan, and the requirements of the Massachusetts Stormwater Handbook.



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

- g) The responsible party shall:
1. Maintain an operation and maintenance log for the last three (3) consecutive calendar years of inspections, repairs, maintenance and/or replacement of the stormwater management system or any part thereof, and disposal (for disposal the log shall indicate the type of material and the disposal location);
 2. Make the maintenance log available to MassDEP and the Conservation Commission ("Commission") upon request; and
 3. Allow members and agents of the MassDEP and the Commission to enter and inspect the site to evaluate and ensure that the responsible party is in compliance with the requirements for each BMP established in the O&M Plan approved by the issuing authority.
- h) All sediment or other contaminants removed from stormwater BMPs shall be disposed of in accordance with all applicable federal, state, and local laws and regulations.
- i) Illicit discharges to the stormwater management system as defined in 310 CMR 10.04 are prohibited.
- j) The stormwater management system approved in the Order of Conditions shall not be changed without the prior written approval of the issuing authority.
- k) Areas designated as qualifying pervious areas for the purpose of the Low Impact Site Design Credit (as defined in the MassDEP Stormwater Handbook, Volume 3, Chapter 1, Low Impact Development Site Design Credits) shall not be altered without the prior written approval of the issuing authority.
- l) Access for maintenance, repair, and/or replacement of BMPs shall not be withheld. Any fencing constructed around stormwater BMPs shall include access gates and shall be at least six inches above grade to allow for wildlife passage.

Special Conditions (if you need more space for additional conditions, please attach a text document):

See Attached Exhibit D



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D. Findings Under Municipal Wetlands Bylaw or Ordinance

1. Is a municipal wetlands bylaw or ordinance applicable? ☐ Yes ☒ No
2. The Conservation Commission hereby finds (check one that applies):

- a. ☐ that the proposed work cannot be conditioned to meet the standards set forth in a municipal ordinance or bylaw, specifically:

1. Municipal Ordinance or Bylaw

2. Citation

Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides measures which are adequate to meet these standards, and a final Order of Conditions is issued.

- b. ☐ that the following additional conditions are necessary to comply with a municipal ordinance or bylaw:

1. Municipal Ordinance or Bylaw

2. Citation

3. The Commission orders that all work shall be performed in accordance with the following conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, the conditions shall control.

The special conditions relating to municipal ordinance or bylaw are as follows (if you need more space for additional conditions, attach a text document):



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E. Signatures

This Order is valid for three years, unless otherwise specified as a special condition pursuant to General Conditions #4, from the date of issuance.

Please indicate the number of members who will sign this form.

This Order must be signed by a majority of the Conservation Commission.

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate Department of Environmental Protection Regional Office, if not filing electronically, and the property owner, if different from applicant.

Signatures:

☒ by hand delivery on

Aug 30, 2010
Date

☐ by certified mail, return receipt requested, on

Date

F. Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate MassDEP Regional Office to issue a Superseding Order of Conditions. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request of Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

Any appellants seeking to appeal the Department's Superseding Order associated with this appeal will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order, or providing written information to the Department prior to issuance of a Superseding Order.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40), and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal ordinance or bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.



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G. Recording Information

Prior to commencement of work, this Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on this page shall be submitted to the Conservation Commission listed below.

Easthampton
Conservation Commission

Detach on dotted line, have stamped by the Registry of Deeds and submit to the Conservation Commission.

To:

Easthampton
Conservation Commission

Please be advised that the Order of Conditions for the Project at:

19 Wemelco Way
Project Location

151-264
MassDEP File Number

Has been recorded at the Registry of Deeds of:

Hampshire
County

Book

Page

for: See Attached Exhibit A
Property Owner

and has been noted in the chain of title of the affected property in:

Book

Page

In accordance with the Order of Conditions issued on:

August 30, 2010
Date

If recorded land, the instrument number identifying this transaction is:

Instrument Number

If registered land, the document number identifying this transaction is:

Document Number

Signature of Applicant

EXHIBIT A

3. Property Owners:

Timothy Mulhern

Oldon Limited Partnership

c/o Shatz, Schwartz and Fentin, P.C.

1441 Main Street

Springfield, MA 01103

Michael Tautznik, Mayor

City of Easthampton

50 Payson Avenue, Suite 165

Easthampton, MA 01027

Frederick Sirard

DOS Concrete

9 Wemelco Way

Easthampton, MA 01027

David & Marilyn Cernak

221 Park Street

Easthampton, MA 01027

Anthony Burns

JPS Acquisition Elastomerics Co.

412 Main Street

Easthampton, MA 01027

EXHBIT B

8. Property recorded at the Registry of Deeds for:

Hampshire County Book 164, Page 2;

Hampshire County Book 1981, Page 263;

Hampshire County Book 2162, Page 177;

Hampshire County Book 5447, Page 136; and

Hampshire County Book 3200, Page 218

EXHIBIT C

Notice of Intent dated July 22, 2010.

Letter from Department of Environmental Protection Western Regional Office dated August 3, 2010.

Letter from O'Reilly, Talbot & Okun dated August 4, 2010 to Easthampton Conservation Commission.

Letter from O'Reilly, Talbot & Okun dated August 18, 2010 to Easthampton Conservation Commission.

EXHIBIT D
ADDITIONAL CONDITIONS

Prior to the start of construction the Conservation Commission shall have on file in their office a copy of the recorded Order of Conditions (showing recording information) signed by the Developer and General Contractor acknowledging that they have read and understand the issued Order of Conditions.

Prior to the start of construction work erosion controls will be inspected and approved by the Conservation Commission.

Notice will be given to the Conservation Commission when swamp mats will be installed and removed.

Low pressure tire will be used upon the mats.

Contractor to submit type of decking and equipment to be used to cross into isolated area in Wetland "C" 24 hours prior to work commencing.

Approval of fence type & location prior to commencement of installation will be required from the Conservation Commission.

No vehicle wash down water shall discharge to wetlands.

Applicant shall nominate a Compliance Monitor who will be the point of contact for wetland compliance under this order.

Monitoring to be conducted no later than end of Aug of each of the 2 years and the Commission to be notified of results submitted no later than Dec. 15th.

ATTEST: HAMPSHIRE, Marianne L. Donohue, REGISTER
MARIANNE L. DONOHUE

Official Receipt for Recording In:

Hampshire County Registry of Deeds
33 King St.

Northampton, Massachusetts 01060

Issued To: OREILLY TALBOT & OKUN ASSOCIATES INC
293 BRIDGE ST
1-413-788-6222
SPRINGFIELD MA

Recording Fees

| Document Description | Number | Book/Page | Recording Amount |
|-------------------------|----------|---------------|---------------------|
| ORD | 00020339 | 10303 291 | \$75.00 |
| DEP | 151-264 | 19 WENELCO WA | |

Collected Amounts

| Payment Type | Amount |
|-----------------|---------|
| Check | 6753 |
| | \$75.00 |
| | \$75.00 |

Total Received : \$75.00
Less Total Recordings: \$75.00

Change Due : \$.00

Thank You
MARIANNE DONOHUE - Register of Deeds

By: Beth C

Receipt# Date Time
0226982 09/21/2010 02:44p

STORMWATER POLLUTION
PREVENTION PLAN (SWPPP)

Appendix D – NOI and Acknowledgement Letter from EPA

Brin Warenda

From: NOI Call Center [no_reply@epa.gov]
Sent: Tuesday, September 28, 2010 1:29 PM
To: John Henry; Brin Warenda
Subject: NOI Waiting Period End Confirmation

Company: BGL Corp.
ATTN: John J Henry
65 Shopping Court,
Agawam, Massachusetts 01101

Facility: Former Zonolite Facility
19 Wemelco Way,
Easthampton, Massachusetts 01027

TRACKING NUMBER: MAR10DN39

This email acknowledges that a complete Notice of Intent (NOI) form seeking coverage under EPA's Construction General Permit (CGP) is now active. Your NOI was completed and submitted on 09/21/2010. Coverage under this permit began at the conclusion of your 7 DAY waiting period on 09/28/2010, unless otherwise notified by EPA.

For tracking purposes, the following number has been assigned to your Notice of Intent Form: MAR10DN39. Attached to this email, you will find an electronic copy of your completed NOI which should be posted at your site.

As stated above, this email acknowledges receipt of a complete Notice of Intent. However, it is not an EPA determination of the validity of the information you provided. Your eligibility for coverage under this Permit is based on the validity of the certification you provided. Your electronic signature on this form certifies that you have read, understood, and are implementing all of the applicable requirements. An important aspect of this certification requires that you have correctly determined whether you are eligible for coverage under this permit.

As you know, the CGP requires you to have developed and begun implementing a Stormwater Pollution Prevention Plan (SWPPP). It also outlines important inspection and record keeping requirements. You must also comply with any additional location-specific requirements applicable to your state or tribal area. A copy of the CGP must be kept with your SWPPP. An electronic copy of the CGP and additional guidance materials can be viewed and downloaded at <http://www.epa.gov/npdes/stormwater>.

If you have general questions regarding the stormwater program or your responsibilities under the CGP, please call:

EPA Region 1
Regional Contact Name: Thelma Murphy Regional Contact Phone: (617) 918-1615

If you have questions about your form, please call the EPA NOI Processing Center at 1-866-352-7755 (toll free) or send an inquiry via the online form at <http://www.epa.gov/npdes/stormwater/noicontact>.

9/29/2010

If you have difficulty accessing CDX, please contact the CDX Help Desk at: (888) 890-1995.

You can return to the eNOI system using the following link at any time
<https://cdx.epa.gov/SSL/cdx/login.asp>.

EPA NOI Processing Center
Operated by Avanti Corporation
1200 Pennsylvania Ave., NW
Mail Code: 4203M
Washington, DC 20460
1-866-352-7755

NPDES
Form



United States Environmental Protection Agency
Washington, DC 20460

**Notice of Intent (NOI) for Storm Water Discharges Associated with
Construction Activity Under an NPDES General Permit**

Submission of this Notice of Intent (NOI) constitutes notice that the party identified in Section II of this form requests authorization to discharge pursuant to the NPDES Construction General Permit (CGP) permit number identified in Section I of this form. Submission of this NOI also constitutes notice that the party identified in Section II of this form meets the eligibility requirements of the CGP for the project identified in Section III of this form. Permit coverage is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Refer to the instructions at the end of this form.

I. Permit Number

MAR10DN39

II. Operator Information

Name: BGL CORP.

IRS Employer Identification Number (EIN): 04 - 2832888

Mailing Address:

Street: 65 SHOPPING COURT

City: AGAWAM State: MA Zip Code: 01101

Phone: 413 - 786 - 1954 Fax (optional):

E-mail (optional): RAYBBGL@AOL.COM

III. Project/Site Information

Project/Site Name: FORMER ZONOLITE FACILITY

Project Street/Location: 19 WEMELCO WAY

City: EASTHAMPTON State: MA Zip Code: 01027

County or similar government subdivision: HAMPSHIRE

Latitude/Longitude (Use one of three possible formats, and specify method)

Latitude 1. 42° 15' 15" N (degrees, minutes, seconds)
2. ___° ___' ___" N (degrees, minutes, decimal)
3. ___° N (decimal)

Longitude 1. 72° 41' 22" W (degrees, minutes, seconds)
2. ___° ___' ___" W (degrees, minutes, decimal)
3. ___° W (decimal)

Method: ☐ U.S.G.S. topographic map ☐ EPA web site ☐ GPS ☒ Other: GOOGLE EARTH
• If you used a U.S.G.S. topographic map, what was the scale:

Project Located in Indian country? ☐ Yes ☒ No

If so, name of Reservation or if not part of a Reservation, put "Not Applicable":

Estimated Project Start Date: 09 / 27 / 2010 Estimated Project Completion Date: 12 / 24 / 2010
Month Date Year Month Date Year

Estimated Area to be Disturbed (to the nearest quarter acre): 2.00

IV. SWPPP Information

Has the SWPPP been prepared in advance of filing this NOI? ☒ Yes ☐ No

Location of SWPPP for viewing: ☐ Address in Section II ☒ Address in Section III ☐ Other

If Other:

SWPPP Street: _____

City: _____

State: _____ Zip Code: _____ - _____

SWPPP Contact Information (if different than that in Section II):

Name: JOHN J HENRY

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

E-mail (optional): HENRY@OTO-ENV.COM

V. Discharge Information

Identify the name(s) of waterbodies to which you discharge. UNNAMED WETLANDS TO CONNECTICUT R
VE

Is this discharge consistent with the assumptions and requirements of applicable EPA approved or established TMDL(s)?
☒ Yes ☐ No

VI. Endangered Species Information

Under which criterion of the permit have you satisfied your ESA eligibility obligations?

☒ A ☐ B ☐ C ☐ D ☐ E ☐ F

• If you select criterion F, provide permit tracking number of operator under which you are certifying eligibility:

VII. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name: JOHN J HENRY

Print Title: _____

Signature: JOHN J HENRY

Date: 09/21/2010

**Notice of Intent (NOI) for Storm Water Discharges Associated with
Construction Activity Under an NPDES General Permit**

NPDES Form

This Form Replaces Form 3510-9 (8/98)

Form Approved OMB Nos. 2040-0188 and 2040-0211

Who Must File an NOI Form

Under the provisions of the Clean Water Act, as amended (33 U.S.C. 1251 et seq.; the Act), federal law prohibits storm water discharges from certain construction activities to waters of the U.S. unless that discharge is covered under a National Pollutant Discharge Elimination System (NPDES) Permit. Operator(s) of construction sites where one or more acres are disturbed, smaller sites that are part of a larger common plan of development or sale where there is a cumulative disturbance of at least one acre, or any other site specifically designated by the Director, must submit an NOI to obtain coverage under an NPDES general permit. Each person, firm, public organization, or any other entity that meets either of the following criteria must file this form: (1) they have operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or (2) they have day-to-day operational control of those activities at the project necessary to ensure compliance with SWPPP requirements or other permit conditions. If you have questions about whether you need an NPDES storm water permit, or if you need information to determine whether EPA or your state agency is the permitting authority, refer to www.epa.gov/npdes/stormwater/cgp or telephone the Storm Water Notice Processing Center at (866) 352-7755.

Where to File NOI Form

See the applicable CGP for information on where to send your completed NOI form.

Completing the Form

Obtain and read a copy of the appropriate EPA Storm Water Construction General Permit for your area. To complete this form, type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions on this form, refer to www.epa.gov/npdes/stormwater/cgp or telephone the Storm Water Notice Processing Center at (866) 352-7755. Please submit original document with signature in ink - do not send a photocopied signature.

Section I. Permit Number

Provide the number of the permit under which you are applying for coverage (see Appendix B of the general permit for the list of eligible permit numbers).

Section II. Operator Information

Provide the legal name of the person, firm, public organization, or any other entity that operates the project described in this

application. An operator of a project is a legal entity that controls at least a portion of site operations and is not necessarily the site manager. Provide the employer identification number (EIN from the Internal Revenue Service; IRS), also commonly referred to as your taxpayer ID. If the applicant does not have an EIN enter "NA" in the space provided. Also provide the operator's mailing address, telephone number, fax number (optional) and e-mail address (if you would like to be notified via e-mail of NOI approval when available). Correspondence for the NOI will be sent to this address.

Section III. Project/Site Information

Enter the official or legal name and complete street address, including city, state, zip code, and county or similar government subdivision of the project or site. If the project or site lacks a street address, indicate the general location of the site (e.g., Intersection of State Highways 61 and 34). Complete site information must be provided for permit coverage to be granted.

The applicant must also provide the latitude and longitude of the facility either in degrees, minutes, seconds; degrees, minutes, decimal; or decimal format. The latitude and longitude of your facility can be determined in several different ways, including through the use of global positioning system (GPS) receivers, U.S. Geological Survey (U.S.G.S.) topographic or quadrangle maps, and EPA's web-based siting tools, among others. Refer to www.epa.gov/npdes/stormwater/cgp for further guidance on the use of these methodologies. For consistency, EPA requests that measurements be taken from the approximate center of the construction site. Applicants must specify which method they used to determine latitude and longitude. If a U.S.G.S. topographic map is used, applicants are required to specify the scale of the map used.

Indicate whether the project is in Indian country, and if so, provide the name of the Reservation. If the project is in Indian Country Lands that are not part of a Reservation, indicate "not applicable" in the space provided.

Enter the estimated construction start and completion dates using four digits for the year (i.e., 05/27/1998). Enter the estimated area to be disturbed including but not limited to: grubbing, excavation, grading, and utilities and infrastructure installation. Indicate to the nearest quarter acre. Note: 1 acre = 43,560 sq. ft.

Section IV. SWPPP Information

Indicate whether or not the SWPPP was prepared in advance of filing the NOI form. Check the appropriate box for the location where the SWPPP may be viewed. Provide the name,

Instructions for Completing EPA Form 3510-9

**Notice of Intent (NOI) for Storm Water Discharges Associated with
Construction Activity Under an NPDES General Permit**

NPDES Form

This Form Replaces Form 3510-9 (8/98)

Form Approved OMB Nos. 2040-0188 and 2040-0211

fax number (optional), and e-mail address (optional) of the contact person if different than that listed in Section II of the NOI form.

Section V. Discharge Information

Enter the name(s) of receiving waterbodies to which the project's storm water will discharge. These should be the first bodies of water that the discharge will reach. (Note: If you discharge to more than one waterbody, please indicate all such waters in the space provided and attach a separate sheet if necessary.) For example, if the discharge leaves your site and travels through a roadside swale or a storm sewer and then enters a stream that flows to a river, the stream would be the receiving waterbody. Waters of the U.S. include lakes, streams, creeks, rivers, wetlands, impoundments, estuaries, bays, oceans, and other surface bodies of water within the confines of the U.S. and U.S. coastal waters. Waters of the U.S. do not include man-made structures created solely for the purpose of wastewater treatment. U.S. Geological Survey topographical maps may be used to make this determination. If the map does not provide a name, use a format such as "unnamed tributary to Cross Creek". If you discharge into a municipal separate storm sewer system (MS4), you must identify the waterbody into which that portion of the storm sewer discharges. That information should be readily available from the operator of the MS4.

Indicate whether your storm water discharges from construction activities will be consistent with the assumptions and requirements of applicable EPA approved or established TMDL(s). To answer this question, refer to www.epa.gov/npdes/stormwater/cgp for state- and regional-specific TMDL information related to the construction general permit. You may also have to contact your EPA regional office or state agency. If there are no applicable TMDLs or no related requirements, please check the "yes" box in the NOI form.

Section VI. Endangered Species Information

Indicate for which criterion (i.e., A, B, C, D, E, or F) of the permit the applicant is eligible with regard to protection of federally listed endangered and threatened species, and designated critical habitat. See Part 1.3.C.6 and Appendix C of the permit. If you select criterion F, provide the permit tracking number of the operator under which you are certifying eligibility. The permit tracking number is the number assigned to the operator by the Storm Water Notice Processing Center after EPA acceptance of a complete NOI.

Section VII. Certification Information

All applications, including NOIs, must be signed as follows:
For a corporation: By a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means:

(i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).

Include the name and title of the person signing the form and the date of signing. An unsigned or undated NOI form will not be considered eligible for permit coverage.

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 3.7 hours. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Chief, Information Policy Branch 2136, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, D.C. 20460. Include the OMB control number on any correspondence. Do not send the completed form to this address.



U.S. ENVIRONMENTAL PROTECTION
AGENCY (EPA)
NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES)
EPA's NOI PROCESSING CENTER



09/21/2010

Company: BGL CORP.
ATTN: JOHN J HENRY
65 SHOPPING COURT
AGAWAM, MA 01101

Facility: FORMER ZONOLITE
FACILITY
19 WEMELCO WAY
EASTHAMPTON, MA 01027

Permit Number: MAR10DN39

Dear JOHN J HENRY:

This email/letter acknowledges that you have submitted a complete Notice of Intent form to be covered under the NPDES General Permit for Stormwater Discharges for Construction General Permit Activity (Construction General Permit). Coverage under this permit begins at the conclusion of your seven-day waiting period, on 09/28/2010.

As stated above, this letter acknowledges receipt of a complete Notice of Intent. However, it is not an EPA determination of the validity of the information you provided. Your eligibility for coverage under the Permit is based on the validity of the certification you provided. Your signature on the Notice of Intent certifies that you have read, understood, and are implementing all of the applicable requirements. An important aspect of this certification requires that you correctly determine whether you are eligible for coverage under this permit.

As you know, the Construction General Permit requires you to have developed and begun implementing a Stormwater Pollution Prevention Plan (SWPPP) and outlines important inspection and record keeping requirements. You must also comply with any additional location-specific requirements applicable to your state or tribal area. A copy of the Construction General Permit must be kept with your SWPPP. An electronic copy of the Permit and additional guidance materials can be viewed and downloaded at <http://www.epa.gov/npdes/stormwater>.

For tracking purposes, the following number has been assigned to your Notice of Intent Form: MAR10DN39.

If you have general questions regarding the stormwater program or your responsibilities under the Construction General Permit, please call

EPA Region 1

Thelma Murphy (617) 918-1615

If you have questions about your Notice of Intent form, please call the EPA NOI Processing Center at 1-866-352-7755 (toll free) or send an inquiry via the online form at <http://www.epa.gov/npdes/noicontact>.

Next time, you can use the eNOI system (<http://www.epa.gov/npdes>) to apply for a Notice of Intent.

EPA NOI Processing Center
Operated by Avanti Corporation
1200 Pennsylvania Ave., NW
Mail Code: 4203M
Washington, DC 20460
1-866-352-7755

**Electronic Notice of Intent**
Online Application[HOME](#)
[HELP](#)
[PROFILE](#)
[LOGOUT](#)**Construction General Permit Notice of Intent to Discharge**

Form Confirm

Construction General Permit Confirmation

Please confirm that all of the information on your NOI is correct. If the information is correct, please print this page for your records until you receive the approved NOI from EPA. Then click the "Send to Certifying Official" button to go forward.

State: MA
Project Located on Indian Land? No
Is this industrial facility a federal facility? No
General Permit Number you are seeking coverage under: MAR100000
Permit Tracking Number: MAR10DN39

Operator Information

Operator/Company Name: BGL Corp.
IRS EIN: 042832888
Street: 65 Shopping Court
City/State/ZIP: Agawam MA 01101
Phone: 413-786-1954
Fax:
Email: raybbgl@aol.com

Project/Site Information

Facility Name: Former Zonolite Facility
Facility Address: 19 Wemelco Way
County: Hampshire
City/State/ZIP: Easthampton MA 01027

Latitude and Longitude

Degrees/Minutes/Seconds (Latitude): 42 ° 15 ' 15 " N
Degrees/Minutes/Seconds (Longitude): 72 ° 41 ' 22 " W
Latitude/Longitude Method: Other
Other Method: Google Earth

Project Dates

Estimated Project Start Date: 09/27/2010
Estimated Project Completion Date: 12/24/2010
Estimated area to be disturbed: 2 (acres)

Stormwater Pollution Prevention Plan Information

SWPPP Contact Name: John J Henry
How can the SWPPP Contact be Reached?
Telephone Number: 413-788-6222
Fax Number: 413-788-8830
SWPPP E-mail: henry@oto-env.com

Address of location for viewing the SWPPP:

Same as Facility's Address

Discharge of Stormwater

Name(s) of waterbodies to which you discharge:

unnamed wetlands to Connecticut River

Is this discharge consistent with assumptions and requirements of applicable EPA approved or established TMDL? Yes

Endangered Species Protection

ESA Criterion:

Criterion A.

No federally-listed threatened or endangered species or their designated critical habitat are in the project area as defined in Appendix C.

 U.S. Environmental Protection Agency



Appendix C

TEST PIT LOG

| | | | | | |
|--|--|---|--------------------------|--|--|
| O'Reilly, Talbot & Okun Associates, Inc. 293 Bridge Street, Suite 500 Springfield, Massachusetts 01103 (413) 788-6222 | | PROJECT Description: W.R. Grace Location: Easthampton, MA. | | Test Pit No. TP-N Job No.: 2118-01-02 Date: 09/21/10 | |
| Engineer/Geologist: Chris Streeter Weather: Sunny 55-75 Operator: Doug | | Contractor: BGL Backhoe: Bobcat 337 Capacity: 11" | | Ground Elev: _____ Start: Finish: | |
| DEPTH (ft.) | SOIL DESCRIPTION | EXCAV. EFFORT | BOULDER COUNT | REMARKS | |
| | 0-3" Organic Matter 3"-6" Brown Fine Sand and Silt Dark Brown Fine Sand and Silt, trace micaceous minerals. | Easy | None | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 5 | | | | | |
| | End of Exploration | | | | |
| | | | | | |
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| 10 | | | | | |
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| | | | | | |
| REMARKS: Top of gas pipe found at 4.5' below grade. | | | | | |

| | | |
|---------------------------------------|---------------|---|
| PLAN | LEGEND | EFFORT |
| See Site Plan for test pit locations. | | E = Easy M = Moderate D = Difficult |

TEST PIT LOG

| | | |
|--|---|--|
| O'Reilly, Talbot & Okun Associates, Inc. 293 Bridge Street, Suite 500 Springfield, Massachusetts 01103 (413) 788-6222 | PROJECT Description: 19 WELMCO Way Location: Easthampton, MA | Test Pit No. TP-S Job No.: 2118-01-02 Date: September 21, 2010 |
|--|---|--|

| | | |
|---|---|---|
| Engineer/Geologist: Chris Streeter Weather: Sunny, 55-70 Operator: Doug | Contractor: BGL Backhoe: Bobcat 337 Capacity: 11' | Ground Elev: _____ Start: Finish: |
|---|---|---|

| DEPTH (ft.) | SOIL DESCRIPTION | EXCAV. EFFORT | BOULDER COUNT | REMARKS |
|----------------|--|------------------|------------------|-----------|
| | | | | |
| | | E ↓ | | Fill ↓ |
| 5 | Dark brown, fine to medium SAND and Silt, trace micaceous minerals. ↓ | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | Dark Grey, fine SAND and CLAYEY/SILT trace micaceous minerals. ↓ | | | |
| | | | | |
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| | | | | |
| | | | | |
| 10 | End of Exploration | | | |
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| |
|---|
| REMARKS: Gas pipe not found and assumed to be deeper than excavator can dig. |
|---|

| | | |
|--|--------|---|
| PLAN See site plan for test pit locations | LEGEND | EFFORT E = Easy M = Moderate D = Difficult |
|--|--------|---|

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-01

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--|----------------------------------|--|--------------------------|--|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR | | FOREMAN Mike Glynn | | DATE STARTED | | DATE FINISHED | |
| Seaboard Environmental Drilling | | HELPER | | 09/22/2010 | | 09/22/2010 | |
| DRILLING EQUIPMENT | | | | COMPLETION DEPTH | | GROUND SURFACE ELEV. | |
| Geoprobe (rubber track) | | | | 8' | | DATUM | |
| TYPE BIT | | SIZE & TYPE OF CORE BARREL | | No. Samples | | UNDIST. | |
| CASING | | | | TIME | | FIRST | |
| CASING HAMM. | | WEIGHT | | WATER LEVEL (FT.) | | COMPL. | |
| SAMPLER: | | DROP | | BORING | | HR. | |
| SAMPLER | | WEIGHT | | LOCATION | | | |
| HAMMER | | DROP | | ENGINEER/GEOLOGIST Andy Rolinger | | | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|--------------|--------------------------------|-------------|--------------|--|----------------------------|---------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 5 | | 48/48 | (0-4') | 0-3.5': Brown, fine to medium SAND and SILT (FILL), dry | FILL ↓ 3.5' | |
| | | | 48/48 | (4'-8') | 3.5'-4': Brown, CLAYEY SILT, damp Brown, CLAYEY SILT, moist. Siltier zones more wet. | NATIVE CLAYEY SILT ↓ | |
| | 10 | | | | End of exploration at 8' | | |
| | 15 | | | | | | |
| | 20 | | | | | | |
| | 25 | | | | | | |

Remarks:
 1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-02

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--|---------------------------|--|--------------------------|--|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR | | FOREMAN Mike Glynn | | DATE STARTED | | DATE FINISHED | |
| Seaboard Environmental Drilling | | HELPER | | 09/22/2010 | | 09/22/2010 | |
| DRILLING EQUIPMENT | | | | COMPLETION DEPTH | | GROUND SURFACE ELEV. | |
| Geoprobe (rubber track) | | | | 8' | | DATUM | |
| TYPE BIT | | SIZE & TYPE OF CORE BARREL | | No. Samples | | UNDIST. | |
| CASING | | | | 8 | | | |
| CASING HAMM. | | WEIGHT | | TIME | | FIRST | |
| SAMPLER: | | DROP | | WATER LEVEL (FT.) | | COMPL. | |
| SAMPLER | | WEIGHT | | BORING | | HR. | |
| HAMMER | | DROP | | LOCATION | | | |
| | | | | ENGINEER/GEOLOGIST | | Andy Rolinger | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|--------------|--------------------------------|-------------|--------------|--|--|---------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 5 | | 48/48 | (0-4') | Brown, fine SAND and CLAYEY SILT. Difficult to determine fill/native interface. | FILL ↓ 2' ----- FILL? ↓ 3' NATIVE CLAYEY SILT ↓ | |
| | | | 48/48 | (4'-8') | Brown, CLAYEY SILT, moist. Siltier zones more wet. | | |
| | 10 | | | | End of exploration at 8' | | |
| | 15 | | | | | | |
| | 20 | | | | | | |
| | 25 | | | | | | |

Remarks:
 1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-03

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--|----------------------------------|--|--------------------------|--|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR | | FOREMAN Mike Glynn | | DATE STARTED | | DATE FINISHED | |
| Seaboard Environmental Drilling | | HELPER | | 09/22/2010 | | 09/22/2010 | |
| DRILLING EQUIPMENT | | | | COMPLETION DEPTH | | GROUND SURFACE ELEV. | |
| Geoprobe (rubber track) | | | | 8' | | DATUM | |
| TYPE BIT | | SIZE & TYPE OF CORE BARREL | | No. Samples | | UNDIST. | |
| CASING | | | | 8 | | | |
| CASING HAMM. | | WEIGHT | | TIME | | FIRST | |
| SAMPLER: | | DROP | | WATER LEVEL (FT.) | | COMPL. | |
| SAMPLER | | WEIGHT | | BORING | | HR. | |
| HAMMER | | DROP | | LOCATION | | | |
| | | | | ENGINEER/GEOLOGIST Andy Rolinger | | | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|-----------|--------------------------|----------|-----------|--|--------------------------------------|-----------------------------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 5 | | 48/48 | (0-4') | Brown, fine SAND and SILT (FILL). Trace amounts of micaceous minerals observed in 1.5' of sample. | FILL ↓ 1.5' | Micaceous minerals observed |
| | 5 | | 48/48 | (4'-8') | 3.5': Native CLAYEY SILT Brown, CLAEY SILT, moist. Siltier zones more wet. | 3.5' ↓ NATIVE CLAYEY SILT ↓ | |
| | 10 | | | | End of exploration at 8' | | |
| | 15 | | | | | | |
| | 20 | | | | | | |
| | 25 | | | | | | |

Remarks:
 1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-04

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--|---------------------------|--|--------------------------|--|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR | | FOREMAN Mike Glynn | | DATE STARTED | | DATE FINISHED | |
| Seaboard Environmental Drilling | | HELPER | | 09/22/2010 | | 09/22/2010 | |
| DRILLING EQUIPMENT | | | | COMPLETION DEPTH | | GROUND SURFACE ELEV. | |
| Geoprobe (rubber track) | | | | 8' | | DATUM | |
| TYPE BIT | | SIZE & TYPE OF CORE BARREL | | No. Samples | | UNDIST. | |
| CASING | | | | 8 | | | |
| CASING HAMM. | | WEIGHT | | TIME | | FIRST | |
| SAMPLER: | | DROP | | WATER LEVEL (FT.) | | COMPL. | |
| SAMPLER | | WEIGHT | | BORING | | HR. | |
| HAMMER | | DROP | | LOCATION | | | |
| | | | | ENGINEER/GEOLOGIST | | Andy Rolinger | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|--------------|--------------------------------|-------------|--------------|--|---|--------------------------------------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 5 | | 48/48 | (0'-4') | Brown, fine to medium SAND and SILT (FILL) 1'-2' Zone: Micaceous minerals observed (trace) 1" Layer of light brown, CRUSHED BRICK 2'-4' : Possible FILL?? | FILL ↓ FILL? ↓ NATIVE CLAYEY SILT ↓ | Micaceous minerals observed 2' |
| | | | 48/48 | (4'-8') | Brown, CLAYEY SILT, moist Siltier zones more wet. | | |
| | 10 | | | | End of exploration at 8' | | |
| | 15 | | | | | | |
| | 20 | | | | | | |
| | 25 | | | | | | |

Remarks:

1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-05

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--|---------------------------|--|--------------------------|--|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR | | FOREMAN Mike Glynn | | DATE STARTED | | DATE FINISHED | |
| Seaboard Environmental Drilling | | HELPER | | 09/22/2010 | | 09/22/2010 | |
| DRILLING EQUIPMENT | | | | COMPLETION DEPTH | | GROUND SURFACE ELEV. | |
| Geoprobe (rubber track) | | | | 14' | | DATUM | |
| TYPE BIT | | SIZE & TYPE OF CORE BARREL | | No. Samples | | UNDIST. | |
| CASING | | | | 14 | | | |
| CASING HAMM. | | WEIGHT | | TIME | | FIRST | |
| SAMPLER: | | DROP | | WATER LEVEL (FT.) | | COMPL. | |
| SAMPLER | | WEIGHT | | BORING | | HR. | |
| HAMMER | | DROP | | LOCATION | | | |
| | | | | ENGINEER/GEOLOGIST | | Andy Rolinger | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|-----------|--------------------------|---------------------------|-----------|---|---|---------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 0 | | 24/24 | (0'-2') | Brown, fine to medium SAND and SILT (FILL), trace micaceous minerals, dry | FILL WITH TRACE MICACEOUS MINERALS ↓ 11' NATIVE CLAYEY SILT ↓ | |
| | 2 | | 22/24 | (2'-4') | Brown, dark gray, SAND and SILT (FILL), trace micaceous minerals, dry | | |
| | 4 | | 20/24 | (4'-6') | Dark gray, fine SAND and CLAYEY SILT, some roots and woody organic material (FILL), trace micaceous minerals, moist | | |
| | 6 | | 24/24 | (6'-8') | Dark gray-reddish-brown, fine SAND and CLAYEY SILT, trace micaceous minerals, moist | | |
| | 8 | | 20/24 | (8'-10') | Dark gray-reddish-brown, fine SAND and CLAYEY SILT, trace micaceous minerals, wet. Micaceous minerals in tip of spoon | | |
| | 10 | | 22/24 | (10'-12') | 10'-11': Dark gray, fine SAND and CLAYEY SILT, trace micaceous minerals (FILL), wet 11'-12': Light brown, fine SAND, some clayey silt, wet | | |
| | 12 | | 21/24 | (12'-14') | Brown -reddish brown, fine SAND and some CLAYEY SILT, micaceous minerals observed, wet | | |
| | 14 | | End of exploration at 14' | | | | |
| | 15 | | | | | | |
| | 16 | | | | | | |
| | 17 | | | | | | |
| | 18 | | | | | | |
| | 19 | | | | | | |
| | 20 | | | | | | |
| | 21 | | | | | | |
| | 22 | | | | | | |
| | 23 | | | | | | |
| | 24 | | | | | | |
| | 25 | | | | | | |

Remarks:

1. Samples collected from each one foot interval. Samples collected every two feet to improve recovery. (Fourteen samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-06

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--------------------|----------------------------------|----------------------------|--------------------------|-------------------------------|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR Seaboard Environmental Drilling | | | FOREMAN Mike Glynn | | DATE STARTED 09/22/2010 | | DATE FINISHED 09/22/2010 |
| DRILLING EQUIPMENT Geoprobe (rubber track) | | | HELPER | | COMPLETION DEPTH 8' | | GROUND SURFACE ELEV. DATUM |
| TYPE BIT CASING | | SIZE & TYPE OF CORE BARREL | | | No. Samples | | UNDIST. |
| CASING HAMM. | | WEIGHT | DROP | | TIME | | FIRST |
| SAMPLER: | | | | WATER LEVEL (FT.) | | COMPL. | |
| SAMPLER HAMMER | | WEIGHT | DROP | | BORING | | HR. |
| | | | | LOCATION | | | |
| | | | | ENGINEER/GEOLOGIST Andy Rolinger | | | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|--------------|--------------------------------|-------------|--------------|--|--|---------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 5 | | 48/48 | (0-4') | Brown, fine SAND and CLAYEY SILT, difficult to determine fill / native interface, damp | FILL ↓ FILL ↓ 4' NATIVE CLAYEY SILT ↓ | |
| | | | 48/48 | (4'-8') | Brown, CLAYEY SILT, moist Siltier zones more wet. | | |
| | 10 | | | | End of exploration at 8' | | |
| | 15 | | | | | | |
| | 20 | | | | | | |
| | 25 | | | | | | |

Remarks:
 1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-07

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--------------------|----------------------------------|----------------------------|--------------------------|-------------------------------|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR Seaboard Environmental Drilling | | | FOREMAN Mike Glynn | | DATE STARTED 09/22/2010 | | DATE FINISHED 09/22/2010 |
| DRILLING EQUIPMENT Geoprobe (rubber track) | | | HELPER | | COMPLETION DEPTH 8' | | GROUND SURFACE ELEV. DATUM |
| TYPE BIT CASING | | SIZE & TYPE OF CORE BARREL | | | No. Samples 8 | | UNDIST. |
| CASING HAMM. | | WEIGHT | | DROP | | TIME | |
| SAMPLER: | | | | WATER LEVEL (FT.) | | FIRST | |
| SAMPLER HAMMER | | WEIGHT | | DROP | | COMPL. | |
| | | | | BORING | | HR. | |
| | | | | LOCATION | | | |
| | | | | ENGINEER/GEOLOGIST Andy Rolinger | | | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|--------------|--------------------------------|-------------|--------------|---|---|---------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 5 | | 48/48 | (0-4') | Brown, fine SAND and CLAYEY SILT, difficult to determine fill / native interface, dry | FILL ↓ FILL? ↓ 4' NATIVE CLAYEY SILT ↓ | |
| | | | 48/48 | (4'-8') | Brown, CLAYEY SILT, moist Siltier zones more wet. | | |
| | 10 | | | | End of exploration at 8' | | |
| | 15 | | | | | | |
| | 20 | | | | | | |
| | 25 | | | | | | |

Remarks:
 1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-08

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| | | | | | | | |
|--|--|--|--|------------------------------|--|-------------------------------|--|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR Seaboard Environmental Drilling | | | | FOREMAN Mike Glynn HELPER | | DATE STARTED 09/22/2010 | |
| DATE FINISHED 09/22/2010 | | | | COMPLETION DEPTH 8' | | GROUND SURFACE ELEV. DATUM | |
| DRILLING EQUIPMENT Geoprobe (rubber track) | | | | No. Samples 8 | | UNDIST. | |
| TYPE BIT CASING | | | | SIZE & TYPE OF CORE BARREL | | TIME | |
| CASING HAMM. | | | | WEIGHT | | DROP | |
| SAMPLER: | | | | BORING | | FIRST | |
| SAMPLER HAMMER | | | | WEIGHT | | COMPL. | |
| SAMPLER HAMMER | | | | DROP | | HR. | |
| ENGINEER/GEOLOGIST Andy Rolinger | | | | LOCATION | | | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|--------------------------|--------------|--------------------------------|-------------|--|---------------------------------------|--|---------|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 0-3 | 48/48 | (0-4) | Brown, fine SAND and CLAYEY SILT, dry, trace micaceous minerals, to 3' | FILL ↓ 3' | Trace Micaceous Minerals Observed | |
| | 4-8 | 48/48 | (4'-8') | Brown, CLAYEY SILT, moist | 4' ↓ NATIVE CLAYEY SILT ↓ | | |
| End of exploration at 8' | | | | | | | |

Remarks:
 1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

O'REILLY, TALBOT & OKUN ASSOCIATES, INC.
 ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING CONSULTANTS

LOG OF BORING TPL-09

Page 1 OF 1

| | | | | | | | |
|--|--|----------------------------|--|----------------------------------|--|-------------------------------|--|
| PROJECT : Former Zonolite Facility, 19 Wemelco Way | | | | LOCATION: Easthampton, MA | | PROJECT NO. : 2118-01-02 | |
| DRILLING CONTRACTOR Seaboard Environmental Drilling | | | | FOREMAN Mike Glynn HELPER | | DATE STARTED 09/22/2010 | |
| DATE FINISHED 09/22/2010 | | | | COMPLETION DEPTH 8' | | GROUND SURFACE ELEV. DATUM | |
| DRILLING EQUIPMENT Geoprobe (rubber track) | | | | No. Samples 8 | | UNDIST. | |
| TYPE BIT CASING | | SIZE & TYPE OF CORE BARREL | | TIME | | FIRST | |
| CASING HAMM. | | WEIGHT | | DROP | | WATER LEVEL (FT.) | |
| SAMPLER: | | WEIGHT | | DROP | | BORING | |
| SAMPLER HAMMER | | WEIGHT | | DROP | | LOCATION | |
| | | | | ENGINEER/GEOLOGIST Andy Rolinger | | | |

| SAMPLES | DEPTH FT. | SAMPLES | | | DESCRIPTION | SOIL DESCRIPTION | REMARKS |
|---------|--------------|--------------------------------|-------------|--------------|--|---|--|
| | | PENETR. RESIST. BL/6 IN. | REC. IN. | TYPE/ NO. | | | |
| | 0-2' | | 20/24 | (0-2') | Brown, fine SAND and CLAYEY SILT, trace micaceous minerals | FILL ↓ 3' ↓ 4' NATIVE CLAYEY SILT ↓ | Trace Micaceous Minerals Observed |
| | 2'-4' | | 24/24 | (2'-4') | Brown, fine SAND and CLAYEY SILT, damp, trace micaceous minerals observed to 3' below ground surface | | |
| | 4'-8' | | 48/48 | (4'-8') | Brown, CLAYEY SILT, moist | | |
| | | | | | End of exploration at 8' | | |

Remarks:
 1. Samples collected from each one foot interval. Entire 12" zone composited. (Eight samples total)

TEST PIT LOG

| O'Reilly, Talbot & Okun Associates, Inc. 293 Bridge Street, Suite 500 Springfield, Massachusetts 01103 (413) 788-6222 | | PROJECT Description: 19 Wemelco Way Location: Easthampton, MA. | | Test Pit No. TP-1 Job No.: 2118-01-02 Date: 10/08/10 | |
|--|---|---|------------------|--|--|
| Engineer/Geologist: Chris Streeter Weather: Sunny 60-65 Operator: Doug | | Contractor: BGL Backhoe: Volvo 140Blc Capacity: 16" | | Ground Elev: _____ Start: Finish: | |
| DEPTH (ft.) | SOIL DESCRIPTION | EXCAV. EFFORT | BOULDER COUNT | REMARKS | |
| | 0-6" ORGANIC MATTER and Brown fine to medium sand, trace silt | Easy ↓ | None ↓ | Fill | |
| | Brown, fine SAND and CLAYEY SILT, trace micaceous minerals. | | | | |
| | Brown, fine SAND and Clayey SILT, damp | | | Natural ↓ | |
| | | | | | |
| 5 | | "Top of Pipe Casing (old) | | | |
| | End of Exploration at 6' | | | | |
| | | | | | |
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| 10 | | | | | |
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| | | | | | |
| | | | | | |
| REMARKS: Old gas Line located 7' East of New Line | | | | | |

| | | |
|---------------------------------------|--------|---|
| PLAN | LEGEND | EFFORT |
| See Site Plan for test pit locations. | | E = Easy M = Moderate D = Difficult |

TEST PIT LOG

| | | |
|--|--|--|
| O'Reilly, Talbot & Okun Associates, Inc. 293 Bridge Street, Suite 500 Springfield, Massachusetts 01103 (413) 788-6222 | PROJECT Description: 19 Wemelco Way Location: Easthampton, MA | Test Pit No. TP-2 Job No.: 2118-01-02 Date: 10/08/10 |
|--|--|--|

| | | |
|---|---|---|
| Engineer/Geologist: Chris Streeter Weather: Sunny, 60-65 Operator: Doug | Contractor: BGL Backhoe: Volvo 140Blc Capacity: 16' | Ground Elev: _____ Start: Finish: |
|---|---|---|

| DEPTH (ft.) | SOIL DESCRIPTION | EXCAV. EFFORT | BOULDER COUNT | REMARKS | | |
|----------------|--|------------------|------------------|---------|---|--------------|
| | TOPSOIL | E ↓ | None ↓ | Fill | | |
| | Dark brown, fine to medium SAND and SILT, trace micaceous minerals. | | | | | |
| | Brown, fine SAND and CLAYEY SILT, damp | | | ↓ | ↓ | Natural ↓ |
| | | | | | | |
| 5 | | | | | | |
| | End of Exploration at 6' | ↓ | ↓ | ↓ | | |
| | | | | | | |
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| 10 | | | | | | |
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| |
|---|
| REMARKS: Sand and Gravel found in abandoned pipe location. |
|---|

| | | |
|--|--------|---|
| PLAN See site plan for test pit locations | LEGEND | EFFORT E = Easy M = Moderate D = Difficult |
|--|--------|---|

TEST PIT LOG

| | | |
|--|---|--|
| O'Reilly, Talbot & Okun Associates, Inc. 293 Bridge Street, Suite 500 Springfield, Massachusetts 01103 (413) 788-6222 | PROJECT Description: 19 WELMCO Way Location: Easthampton, MA | Test Pit No. TP-3 Job No.: 2118-01-02 Date: 10/08/10 |
|--|---|--|

| | | |
|---|---|---|
| Engineer/Geologist: Chris Streeter Weather: Sunny, 60-65 Operator: Doug | Contractor: BGL Backhoe: Volvo 140Blc Capacity: 16' | Ground Elev: _____ Start: Finish: |
|---|---|---|

| DEPTH (ft.) | SOIL DESCRIPTION | EXCAV. EFFORT | BOULDER COUNT | REMARKS |
|----------------|---|------------------|------------------|--------------|
| | Dark brown, fine to medium SAND and SILT, trace micaceous minerals, damp | E ↓ | None ↓ | Fill |
| | Brown, fine SAND and CLAYEY SILT, wet End of Exploration at 3' | | | Natural ↓ |
| | Curtain drain found at west end of exploration and flooded excavation. | | | |
| 5 | | | | |
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| 10 | | | | |
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| |
|---|
| REMARKS: Sand and Gravel found in abandoned pipe location. |
|---|

| | | |
|--|--------|---|
| PLAN See site plan for test pit locations | LEGEND | EFFORT E = Easy M = Moderate D = Difficult |
|--|--------|---|

TEST PIT LOG

| | | |
|--|---|--|
| O'Reilly, Talbot & Okun Associates, Inc. 293 Bridge Street, Suite 500 Springfield, Massachusetts 01103 (413) 788-6222 | PROJECT Description: W.R. Grace Location: Easthampton, MA. | Test Pit No. TP-4 Job No.: 2118-01-02 Date: 10/08/10 |
|--|---|--|

| | | |
|------------------------------------|-----------------------|--------------------|
| Engineer/Geologist: Chris Streeter | Contractor: BGL | Ground Elev: _____ |
| Weather: Sunny 60-65 | Backhoe: Volvo 140Blc | Start: |
| Operator: Doug | Capacity: 16" | Finish: |

| DEPTH (ft.) | SOIL DESCRIPTION | EXCAV. EFFORT | BOULDER COUNT | REMARKS | | |
|----------------|---|---------------------|---------------------|-----------|--|--------------|
| | Brown, fine SAND and SILT, trace micaceous minerals | Easy <div></div> | None <div></div> | Fill ↓ | | |
| | | | | | | Natural ↓ |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | Brown, fine SAND and CLAYEY SILT, damp | | | | | |
| 5 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | End of Exploration at 6.5' | | | | | |
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| 10 | | | | | | |
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| | | | | | | |

REMARKS:
Old gas Line located 7' East of New Line

| | | |
|---------------------------------------|--------|---|
| PLAN | LEGEND | EFFORT |
| See Site Plan for test pit locations. | | E = Easy M = Moderate D = Difficult |

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 858-4800 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: 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 1-01 041022244-0001 | PIPELINE | | None Detected | |
| TP 1-02 041022244-0002 | PIPELINE | | None Detected | |
| TP 1-03 041022244-0003 | PIPELINE | | None Detected | |
| TP 1-04 041022244-0004 | PIPELINE | | None Detected | |
| TP 1-05 041022244-0005 | PIPELINE | | None Detected | |
| TP 2-01 041022244-0006 | PIPELINE | | Actinolite Tremolite | |
| TP 2-02 041022244-0007 | PIPELINE | | None Detected | |
| TP 2-03 041022244-0008 | PIPELINE | | None Detected | |

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

Analyst(s)

Chris Little (52)

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. Samples received in good condition unless otherwise noted.

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: 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: 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 2-04 041022244-0009 | PIPELINE | | None Detected | |
| TP 2-05 041022244-0010 | PIPELINE | | None Detected | |
| TP 3-01 041022244-0011 | PIPELINE | | Actinolite Tremolite | |
| TP 3-02 041022244-0012 | PIPELINE | | Actinolite Tremolite | |
| TP 3-03 041022244-0013 | PIPELINE | | None Detected | |
| TP 3-04 041022244-0014 | PIPELINE | | None Detected | |
| TP 3-05 041022244-0015 | PIPELINE | | None Detected | |
| TP 4-01 041022244-0016 | PIPELINE | | Actinolite Tremolite | |

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

Analyst(s)

Chris Little (52)

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. Samples received in good condition unless otherwise noted.

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: 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: 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 4-02 041022244-0017 | PIPELINE | | Actinolite Tremolite | |
| TP 4-03 041022244-0018 | PIPELINE | | None Detected | |
| TP 4-04 041022244-0019 | PIPELINE | | None Detected | |
| TP 4-05 041022244-0020 | PIPELINE | | None Detected | |
| TP 5-01 041022244-0021 | PIPELINE | | Actinolite Tremolite | |
| TP 5-02 041022244-0022 | PIPELINE | | Actinolite Tremolite | |
| TP 5-03 041022244-0023 | PIPELINE | | Actinolite Tremolite | |
| TP 5-04 041022244-0024 | PIPELINE | | None Detected | SUGGEST TEM |

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

Analyst(s)

Chris Little (52)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Suite 500
Springfield, MA 01103

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

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

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

EMSL Proj:
Analysis Date: 9/28/2010

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

| Sample | Description | Appearance | Result | Notes |
|---------------------------|-------------|------------|-------------------------|-------------|
| TP 5-05 041022244-0025 | PIPELINE | | Actinolite Tremolite | |
| TP 5-06 041022244-0026 | PIPELINE | | Actinolite Tremolite | |
| TP 5-07 041022244-0027 | PIPELINE | | Actinolite Tremolite | |
| TP 5-08 041022244-0028 | PIPELINE | | None Detected | SUGGEST TEM |
| TP 5-09 041022244-0029 | PIPELINE | | None Detected | SUGGEST TEM |
| TP 5-10 041022244-0030 | PIPELINE | | None Detected | SUGGEST TEM |
| TP 5-11 041022244-0031 | PIPELINE | | Actinolite Tremolite | |
| TP 5-12 041022244-0032 | PIPELINE | | None Detected | SUGGEST TEM |

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

Analyst(s)

Chris Little (52)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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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 6-01 041022244-0033 | PIPELINE | | None Detected | |
| TP 6-02 041022244-0034 | PIPELINE | | None Detected | |
| TP 6-03 041022244-0035 | PIPELINE | | None Detected | |
| TP 6-04 041022244-0036 | PIPELINE | | None Detected | |
| TP 6-05 041022244-0037 | PIPELINE | | None Detected | |
| TP 7-01 041022244-0038 | PIPELINE | | Actinolite Tremolite | |
| TP 7-02 041022244-0039 | PIPELINE | | Actinolite Tremolite | |
| TP 7-03 041022244-0040 | PIPELINE | | None Detected | |

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

Analyst(s)

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Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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EMSL Order: 041022244

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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 7-04 041022244-0041 | PIPELINE | | None Detected | |
| TP 7-05 041022244-0042 | PIPELINE | | None Detected | |
| TP 8-01 041022244-0043 | PIPELINE | | Actinolite Tremolite | |
| TP 8-02 041022244-0044 | PIPELINE | | Actinolite Tremolite | |
| TP 8-03 041022244-0045 | PIPELINE | | None Detected | |
| TP 8-04 041022244-0046 | PIPELINE | | None Detected | |
| TP 8-05 041022244-0047 | PIPELINE | | None Detected | |
| TP 9-01 041022244-0048 | PIPELINE | | Actinolite Tremolite | |

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

Analyst(s)

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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 via Polarized Light Microscopy, Qualitative

| Sample | Description | Appearance | Result | Notes |
|---------------------------|-------------|------------|-------------------------|-------|
| TP 9-02 041022244-0049 | PIPELINE | | Actinolite Tremolite | |
| TP 9-03 041022244-0050 | PIPELINE | | Actinolite Tremolite | |
| TP 9-04 041022244-0051 | PIPELINE | | Actinolite Tremolite | |
| TP 9-05 041022244-0052 | PIPELINE | | None Detected | |

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

Analyst(s)

Chris Little (52)

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 - MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

EMSL - CT
4 Fairfield Blvd.
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL - NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(212) 290-0058 Fax

EMSL - NJ
200 Route 130 North
Cinnaminson, NJ 08108
(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 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:

Client Sample # (S) **TP 1-01** **TP-9-05** **TOTAL SAMPLE # 52**
Relinquished: **DAVID ABAD** Date: **9/24/02** Time: **10 SEP 27 AM 11:00**
Received: _____ Date: _____ Time: _____
Relinquished: _____ Date: _____ Time: _____
Received: **DP UPS 910** Date: _____ Time: _____



EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

04106644
EMSL – CT
4 Fairfield Blvd.
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(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 | |

RECEIVED
EMSL
CINNAMINSON, N.J.
10 SEP 27 AM 11:00



EMSL - MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

07002244
EMSL - CT
4 Fairfield Blvd.
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL - NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(212) 290-0058 Fax

EMSL - NJ
200 Route 130 North
Cinnaminson, NJ 08108
(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
RECEIVED
EMSL
CINNAMINSON, N.J.

RAILROAD TIE DISPOSAL DOCUMENTS


Champion City Recovery
138 Wilder St. Extension
Brockton, MA 02301
508-941-6700

001021
Brighter Horizons Environmental
PO Box 219
Chelmsford, MA 01824
GROSS WEIGHT 93,400.00
TARE WEIGHT 43,020.00
NET WEIGHT 50,380.00

| | | | |
|--------------------------------------|-----------------------|------------------------|----------------------|
| SITE 01 | TICKET 34112 | WEIGHMASTER cmorgan | ORIGIN Brockton |
| DATE IN 11/11/10 | DATE OUT 11/11/10 | TIME IN 9:51 am | TIME OUT 10:22 am |
| REFERENCE Whitney Trucking 43/E.H | VEHICLE BRIGHTHOR1 | ROLL OFF | |

INVOICE
INBOUND

0933423

| QTY | UNIT | DESCRIPTION | RATE | EXTENSION | FEES | TOTAL |
|--|------|-------------|------|-----------|------|-------|
| 25.19 | TN | C&D Trailer | | | | |
|  | | | | | | |

Hours of Operation
Monday-Friday 7am-4pm
Saturday 7am-1pm
Closed Sunday

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecutions.

SIGNATURE X

Champion City Recovery
138 Wilder St. Extension
Brockton, MA 02301
508-941-6700

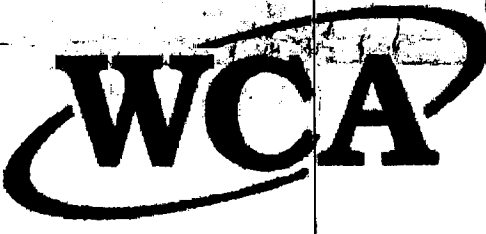
001021
Brighter Horizons Environmental
PO Box 219
Chelmsford, MA 01824

GROSS WEIGHT 79,920.00
TARE WEIGHT 40,440.00
NET WEIGHT 39,480.00

| | | | |
|--------------------------------------|-----------------------|------------------------|---------------------|
| SITE 01 | TICKET 34168 | WEIGHMASTER cmorgan | ORIGIN Cape Cod |
| DATE IN 11/12/10 | DATE OUT 11/12/10 | TIME IN 7:51 am | TIME OUT 8:15 am |
| REFERENCE Whitney Trucking/E. Har | VEHICLE BRIGHTHOR1 | ROLL OFF | |

INVOICE
INBOUND

0933568

| QTY | UNIT | DESCRIPTION | RATE | EXTENSION | FEES | TOTAL |
|--|------|-------------|------|-----------|------|-------|
| 19.74 | TN | C&D Trailer | | | | |
|  | | | | | | |

Hours of Operation
Monday-Friday 7am-4pm
Saturday 7am-1pm
Closed Sunday

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are

SIGNATURE X



NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name W.R. GRACE SITE (BGL CORP) Generating Location _____
 Address 19 WEMELCO WAY Address _____
EASTHAMPTON MA
 Phone No. 413-2462419 Phone No. _____

Description of Waste

NON HAZARDOUS CONSTRUCTION
 MATERIAL

* ACCT OF ~~BRIGHTER~~ HORIZON

| Quantity | Units | Containers No. | Type |
|----------|-------|----------------|------|
| 61 | CCO | N | |
| | | | |
| | | | |

Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name MIKE MANTER Signature [Signature]

Shipment Date 11/11/10

TRANSPORTER

Truck No. 43 Phone No. 413 498 5591
 Transporter Name Whitney Trucking Inc. Driver Name (Print) L R NEELY
 Address 576 Pine Meadow Rd. Vehicle License No./State MA 02533
Northfield, MA 01360 Trailer No. 663

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without out incident to the destination listed below.

Driver Signature [Signature] Shipment Date 11/11/10

Driver Signature [Signature] Delivery Date 11/11/10

DESTINATION

Site Name CHAMPION CITY TRANSFER Phone No. _____
 Address 138 WILDER ST BROOKTON MA ACCT OF BRIGHTER HORIZON

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent [Signature] Receipt Date _____

1948

Landfill Service Ticket No.: _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name WR Grace Site (BGL Corp)

Generating Location _____

Address 19 Wampanoag Way
Easthampton, MaPhone No. 413-2462419Phone No. -

Description of Waste

Non-Hazardous Construction
materialAcct of Brighton Horizon

Quantity

Units

Containers

No. Type

19,920G 40,440T 39,480

Type

D - Drum

C - Carton

B - Bag

T - Truck

P - Pounds

Y - Yards

O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

TRANSPORTER

Truck No. 61Phone No. 1-800-497-2938Transporter Name Whitney Trucking Inc.Driver Name (Print) Tom SAddress 576 Pine Meadow Rd.Vehicle License No./State 62532-MASSNorthfield, MA 01360Trailer No. 319

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Permit Number

Delivery Date

DESTINATION

Site Name Champion City TransferPhone No. - Address 138 Wilder St Brockton, Ma (Acct of Brighton Horizon)

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

NE 2427

Landfill Service Ticket No.:

34168

RAILROAD TIE ANALYTICAL DATA

October 27, 2010

Kevin O'Reilly
OTO Associates
293 Bridge St. Suite 500
Springfield, MA 01103

Project Location: WR Grace
Client Job Number:
Project Number: 2118-01-02
Laboratory Work Order Number: 10J0571

Enclosed are results of analyses for samples received by the laboratory on October 19, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Susan M. Burney
Project Manager

OTO Associates
293 Bridge St. Suite 500
Springfield, MA 01103
ATTN: Kevin O'Reilly

REPORT DATE: 10/27/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2118-01-02

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0571

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: WR Grace

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|----------------|------------|--------|--------------------|--------------|---------|
| R.R. Comp | 10J0571-01 | Soil | R.R. Comp | SM 2540G | |
| | | | | SW-846 1311 | |
| | | | | SW-846 6010B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8082 | |
| | | | | SW-846 8260B | |

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only TCLP RCRA 8 metals were requested and reported.

SW-846 6010B**Qualifications:**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Arsenic**

10J0571-01[R.R. Comp], B021113-BS1, B021113-BSD1

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:**Arsenic**

10J0571-01[R.R. Comp], B021113-MS1

SW-846 8082**Qualifications:**

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl [2C]**

10J0571-01[R.R. Comp]

Surrogate recovery is outside of control limits on both columns.
Data validation is not affected since all results are "not detected" and bias is on the high side.

Analyte & Samples(s) Qualified:**Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]**

10J0571-01[R.R. Comp]

SW-846 8260B**Qualifications:**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane, Isopropylbenzene (Cumene)**

B021163-BS1, B021163-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Bromomethane**

10J0571-01[R.R. Comp], B021163-BLK1, B021163-BS1, B021163-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Acetone, Carbon Disulfide, Hexachlorobutadiene**

B021163-BS1

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:

2-Butanone (MEK), Acetone, Chloromethane, Dichlorodifluoromethane (Freon 12)

B021163-BS1, B021163-BSD1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,4-Dioxane

10J0571-01[R.R. Comp], B021163-BLK1, B021163-BS1, B021163-BSD1

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

10J0571-01[R.R. Comp]

Surrogate was diluted below its calibration range due to elevated levels of target analytes.

Analyte & Samples(s) Qualified:

1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Toluene-d8

10J0571-01[R.R. Comp]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Bromomethane

10J0571-01[R.R. Comp], B021163-BLK1, B021163-BS1, B021163-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, Tetrahydrofuran

10J0571-01[R.R. Comp], B021163-BLK1, B021163-BS1, B021163-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1,1-Trichloroethane, 2,2-Dichloropropane, Carbon Disulfide, Carbon Tetrachloride, Hexachlorobutadiene, Tetrachloroethylene, Trichlorofluoromethane (Freon 11)

B021163-BS1, B021163-BSD1

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "M. Erickson", is displayed on a light gray rectangular background.

Michael A. Erickson
Laboratory Director

Project Location: WR Grace

Sample Description: R.R. Comp

Work Order: 10J0571

Date Received: 10/19/2010

Field Sample #: R.R. Comp

Sample ID: 10J0571-01

Start Date/Time: 10/18/2010 2:00:00PM

Sample Matrix: Soil

Stop Date/Time: 10/18/2010 2:30:00PM

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|-------|-----------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone | ND | 4100 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| tert-Amyl Methyl Ether (TAME) | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Benzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Bromobenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Bromochloromethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Bromodichloromethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Bromoform | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Bromomethane | ND | 170 | mg/Kg dry | 200 | L-04, V-05 | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 2-Butanone (MEK) | ND | 3300 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| n-Butylbenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| sec-Butylbenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| tert-Butylbenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| tert-Butyl Ethyl Ether (TBEE) | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Carbon Disulfide | ND | 830 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Carbon Tetrachloride | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Chlorobenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Chlorodibromomethane | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Chloroethane | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Chloroform | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Chloromethane | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 2-Chlorotoluene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 4-Chlorotoluene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 830 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Dibromomethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2-Dichlorobenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,3-Dichlorobenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,4-Dichlorobenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,1-Dichloroethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2-Dichloroethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,1-Dichloroethylene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| cis-1,2-Dichloroethylene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| trans-1,2-Dichloroethylene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2-Dichloropropane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,3-Dichloropropane | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 2,2-Dichloropropane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,1-Dichloropropene | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| cis-1,3-Dichloropropene | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| trans-1,3-Dichloropropene | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Diethyl Ether | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Diisopropyl Ether (DIPE) | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,4-Dioxane | ND | 17000 | mg/Kg dry | 200 | R-05, V-16 | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Ethylbenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |

Project Location: WR Grace

Sample Description: R.R. Comp

Work Order: 10J0571

Date Received: 10/19/2010

Field Sample #: R.R. Comp

Sample ID: 10J0571-01

Start Date/Time: 10/18/2010 2:00:00PM

Sample Matrix: Soil

Stop Date/Time: 10/18/2010 2:30:00PM

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|-----------------------------------|---------|-----|-----------|----------|------|--------------|---------------|--------------------|---------|
| Hexachlorobutadiene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 2-Hexanone (MBK) | ND | 830 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Isopropylbenzene (Cumene) | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| p-Isopropyltoluene (p-Cymene) | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Methylene Chloride | ND | 410 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 830 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Naphthalene | 4900 | 330 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| n-Propylbenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Styrene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,1,1,2-Tetrachloroethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 41 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Tetrachloroethylene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Tetrahydrofuran | ND | 830 | mg/Kg dry | 200 | V-16 | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Toluene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2,3-Trichlorobenzene | ND | 410 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2,4-Trichlorobenzene | ND | 830 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,1,1-Trichloroethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,1,2-Trichloroethane | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Trichloroethylene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2,3-Trichloropropane | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,2,4-Trimethylbenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| 1,3,5-Trimethylbenzene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| Vinyl Chloride | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| m+p Xylene | ND | 170 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |
| o-Xylene | ND | 83 | mg/Kg dry | 200 | | SW-846 8260B | 10/20/10 | 10/25/10 9:53 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|-----------------------|------------|-----------------|------|---------------|
| 1,2-Dichloroethane-d4 | * | 70-130 | S-21 | 10/25/10 9:53 |
| Toluene-d8 | * | 70-130 | S-21 | 10/25/10 9:53 |
| 4-Bromofluorobenzene | * | 70-130 | S-21 | 10/25/10 9:53 |

Project Location: WR Grace

Sample Description: R.R. Comp

Work Order: 10J0571

Date Received: 10/19/2010

Field Sample #: R.R. Comp

Sample ID: 10J0571-01

Start Date/Time: 10/18/2010 2:00:00PM

Sample Matrix: Soil

Stop Date/Time: 10/18/2010 2:30:00PM

Polychlorinated Biphenyls By GC/ECD

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|--------------------------|------------|------|-----------------|----------|------|-------------|---------------|--------------------|---------|
| Aroclor-1016 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1221 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1232 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1242 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1248 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1254 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1260 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1262 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Aroclor-1268 [1] | ND | 0.13 | mg/Kg dry | 1 | | SW-846 8082 | 10/21/10 | 10/25/10 12:12 | PJG |
| Surrogates | % Recovery | | Recovery Limits | | Flag | | | | |
| Decachlorobiphenyl [1] | 132 | | 30-150 | | | | | 10/25/10 12:12 | |
| Decachlorobiphenyl [2] | 504 | * | 30-150 | | S-12 | | | 10/25/10 12:12 | |
| Tetrachloro-m-xylene [1] | 263 | * | 30-150 | | S-13 | | | 10/25/10 12:12 | |
| Tetrachloro-m-xylene [2] | 210 | * | 30-150 | | S-13 | | | 10/25/10 12:12 | |

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WR Grace

Sample Description: R.R. Comp

Work Order: 10J0571

Date Received: 10/19/2010

Field Sample #: R.R. Comp

Sample ID: 10J0571-01

Start Date/Time: 10/18/2010 2:00:00PM

Sample Matrix: Soil

Stop Date/Time: 10/18/2010 2:30:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|----------|---------|----|-------|----------|------|----------|---------------|--------------------|---------|
| % Solids | 79.1 | | % Wt | 1 | | SM 2540G | 10/20/10 | 10/21/10 11:58 | VAF |

Project Location: WR Grace

Sample Description: R.R. Comp

Work Order: 10J0571

Date Received: 10/19/2010

Field Sample #: R.R. Comp

Sample ID: 10J0571-01

Start Date/Time: 10/18/2010 2:00:00PM

Sample Matrix: Soil

Stop Date/Time: 10/18/2010 2:30:00PM

TCLP - Metals Analyses

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|----------|---------|---------|-------|----------|-------------|--------------|---------------|--------------------|---------|
| Arsenic | ND | 0.010 | mg/L | 1 | L-02, MS-14 | SW-846 6010B | 10/22/10 | 10/25/10 15:49 | OP |
| Barium | 0.30 | 0.050 | mg/L | 1 | | SW-846 6010B | 10/22/10 | 10/25/10 13:27 | OP |
| Cadmium | ND | 0.0040 | mg/L | 1 | | SW-846 6010B | 10/22/10 | 10/25/10 13:27 | OP |
| Chromium | ND | 0.010 | mg/L | 1 | | SW-846 6010B | 10/22/10 | 10/25/10 13:27 | OP |
| Lead | 0.011 | 0.010 | mg/L | 1 | | SW-846 6010B | 10/22/10 | 10/25/10 13:27 | OP |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 10/22/10 | 10/25/10 13:41 | CWB |
| Selenium | ND | 0.050 | mg/L | 1 | | SW-846 6010B | 10/22/10 | 10/25/10 13:27 | OP |
| Silver | ND | 0.0050 | mg/L | 1 | | SW-846 6010B | 10/22/10 | 10/25/10 13:27 | OP |

Sample Extraction Data

Prep Method: % Solids-SM 2540G

| Lab Number [Field ID] | Batch | Date |
|------------------------|---------|----------|
| 10J0571-01 [R.R. Comp] | B020994 | 10/20/10 |

Prep Method: SW-846 3010A-SW-846 6010B

Leachates were extracted on 10/21/2010 per SW-846 1311 in Batch B021027

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|------------------------|---------|--------------|------------|----------|
| 10J0571-01 [R.R. Comp] | B021113 | 50.0 | 50.0 | 10/22/10 |

Prep Method: SW-846 7470A Prep-SW-846 7470A

Leachates were extracted on 10/21/2010 per SW-846 1311 in Batch B021027

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|------------------------|---------|--------------|------------|----------|
| 10J0571-01 [R.R. Comp] | B021104 | 6.00 | 6.00 | 10/22/10 |

Prep Method: SW-846 3546-SW-846 8082

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|------------------------|---------|-------------|------------|----------|
| 10J0571-01 [R.R. Comp] | B021037 | 10.0 | 50.0 | 10/21/10 |

Prep Method: SW-846 5035-SW-846 8260B

| Lab Number [Field ID] | Batch | Sample Amount(g) | Methanol Volume(mL) | Methanol Aliquot(mL) | Final Volume(mL) | Date |
|------------------------|---------|------------------|---------------------|----------------------|------------------|----------|
| 10J0571-01 [R.R. Comp] | B021163 | 2.40 | 15.8 | 0.005 | 50 | 10/20/10 |

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------------------------|---------------|------|-------------|-----|-----------|------------|
| Batch B021163 - SW-846 5035 | | | | | | | | | | |
| Blank (B021163-BLK1) | | | | Prepared & Analyzed: 10/25/10 | | | | | | |
| Acetone | ND | 2.5 | mg/Kg wet | | | | | | | |
| tert-Amyl Methyl Ether (TAME) | ND | 0.025 | mg/Kg wet | | | | | | | |
| Benzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Bromobenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Bromochloromethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| Bromodichloromethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| Bromoform | ND | 0.051 | mg/Kg wet | | | | | | | |
| Bromomethane | ND | 0.10 | mg/Kg wet | | | | | | | L-04, V-05 |
| 2-Butanone (MEK) | ND | 2.0 | mg/Kg wet | | | | | | | |
| n-Butylbenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| sec-Butylbenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| tert-Butylbenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.025 | mg/Kg wet | | | | | | | |
| Carbon Disulfide | ND | 0.51 | mg/Kg wet | | | | | | | |
| Carbon Tetrachloride | ND | 0.051 | mg/Kg wet | | | | | | | |
| Chlorobenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Chlorodibromomethane | ND | 0.025 | mg/Kg wet | | | | | | | |
| Chloroethane | ND | 0.10 | mg/Kg wet | | | | | | | |
| Chloroform | ND | 0.10 | mg/Kg wet | | | | | | | |
| Chloromethane | ND | 0.10 | mg/Kg wet | | | | | | | |
| 2-Chlorotoluene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 4-Chlorotoluene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.51 | mg/Kg wet | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.025 | mg/Kg wet | | | | | | | |
| Dibromomethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Dichlorodifluoromethane (Freon 12) | ND | 0.10 | mg/Kg wet | | | | | | | |
| 1,1-Dichloroethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,2-Dichloroethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,1-Dichloroethylene | ND | 0.051 | mg/Kg wet | | | | | | | |
| cis-1,2-Dichloroethylene | ND | 0.051 | mg/Kg wet | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,2-Dichloropropane | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,3-Dichloropropane | ND | 0.025 | mg/Kg wet | | | | | | | |
| 2,2-Dichloropropane | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,1-Dichloropropene | ND | 0.10 | mg/Kg wet | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.025 | mg/Kg wet | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.025 | mg/Kg wet | | | | | | | |
| Diethyl Ether | ND | 0.10 | mg/Kg wet | | | | | | | |
| Diisopropyl Ether (DIPE) | ND | 0.025 | mg/Kg wet | | | | | | | |
| 1,4-Dioxane | ND | 10 | mg/Kg wet | | | | | | | R-05, V-16 |
| Ethylbenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Hexachlorobutadiene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 2-Hexanone (MBK) | ND | 0.51 | mg/Kg wet | | | | | | | |
| Isopropylbenzene (Cumene) | ND | 0.051 | mg/Kg wet | | | | | | | |
| p-Isopropyltoluene (p-Cymene) | ND | 0.051 | mg/Kg wet | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 0.051 | mg/Kg wet | | | | | | | |
| Methylene Chloride | ND | 0.25 | mg/Kg wet | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.51 | mg/Kg wet | | | | | | | |
| Naphthalene | ND | 0.20 | mg/Kg wet | | | | | | | |

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------------------------|---------------|-------------|-------------|-----|-----------|--------------|
| Batch B021163 - SW-846 5035 | | | | | | | | | | |
| Blank (B021163-BLK1) | | | | Prepared & Analyzed: 10/25/10 | | | | | | |
| n-Propylbenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Styrene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.025 | mg/Kg wet | | | | | | | |
| Tetrachloroethylene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Tetrahydrofuran | ND | 0.51 | mg/Kg wet | | | | | | | V-16 |
| Toluene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 0.25 | mg/Kg wet | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.51 | mg/Kg wet | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.051 | mg/Kg wet | | | | | | | |
| Trichloroethylene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 0.10 | mg/Kg wet | | | | | | | |
| 1,2,3-Trichloropropane | ND | 0.10 | mg/Kg wet | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Vinyl Chloride | ND | 0.10 | mg/Kg wet | | | | | | | |
| m+p Xylene | ND | 0.10 | mg/Kg wet | | | | | | | |
| o-Xylene | ND | 0.051 | mg/Kg wet | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 1.09 | | mg/Kg wet | 1.33 | | 82.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 1.17 | | mg/Kg wet | 1.33 | | 87.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 1.19 | | mg/Kg wet | 1.33 | | 89.0 | 70-130 | | | |
| LCS (B021163-BS1) | | | | Prepared & Analyzed: 10/25/10 | | | | | | |
| Acetone | 41.9 | 11 | mg/Kg wet | 22.7 | | 185 | * 40-160 | | | L-07 † |
| tert-Amyl Methyl Ether (TAME) | 2.16 | 0.11 | mg/Kg wet | 2.27 | | 95.1 | 70-130 | | | |
| Benzene | 2.47 | 0.23 | mg/Kg wet | 2.27 | | 109 | 70-130 | | | |
| Bromobenzene | 2.53 | 0.23 | mg/Kg wet | 2.27 | | 112 | 70-130 | | | |
| Bromochloromethane | 2.42 | 0.23 | mg/Kg wet | 2.27 | | 107 | 70-130 | | | |
| Bromodichloromethane | 2.57 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | | | |
| Bromoform | 2.41 | 0.23 | mg/Kg wet | 2.27 | | 106 | 70-130 | | | |
| Bromomethane | 0.313 | 0.45 | mg/Kg wet | 2.27 | | 13.8 | * 40-160 | | | L-04, V-05 † |
| 2-Butanone (MEK) | 30.1 | 9.1 | mg/Kg wet | 22.7 | | 133 | 40-160 | | | L-14 † |
| n-Butylbenzene | 2.74 | 0.23 | mg/Kg wet | 2.27 | | 121 | 70-130 | | | |
| sec-Butylbenzene | 2.82 | 0.23 | mg/Kg wet | 2.27 | | 124 | 70-130 | | | |
| tert-Butylbenzene | 2.74 | 0.23 | mg/Kg wet | 2.27 | | 121 | 70-130 | | | |
| tert-Butyl Ethyl Ether (TBEE) | 2.32 | 0.11 | mg/Kg wet | 2.27 | | 102 | 70-130 | | | |
| Carbon Disulfide | 3.13 | 2.3 | mg/Kg wet | 2.27 | | 138 | * 70-130 | | | L-07, V-20 |
| Carbon Tetrachloride | 2.89 | 0.23 | mg/Kg wet | 2.27 | | 128 | 70-130 | | | V-20 |
| Chlorobenzene | 2.57 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | | | |
| Chlorodibromomethane | 2.61 | 0.11 | mg/Kg wet | 2.27 | | 115 | 70-130 | | | |
| Chloroethane | 2.14 | 0.45 | mg/Kg wet | 2.27 | | 94.4 | 70-130 | | | |
| Chloroform | 2.72 | 0.45 | mg/Kg wet | 2.27 | | 120 | 70-130 | | | |
| Chloromethane | 1.60 | 0.45 | mg/Kg wet | 2.27 | | 70.4 | 40-160 | | | † |
| 2-Chlorotoluene | 2.59 | 0.23 | mg/Kg wet | 2.27 | | 114 | 70-130 | | | |
| 4-Chlorotoluene | 2.74 | 0.23 | mg/Kg wet | 2.27 | | 121 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.25 | 2.3 | mg/Kg wet | 2.27 | | 99.3 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 2.45 | 0.11 | mg/Kg wet | 2.27 | | 108 | 70-130 | | | |
| Dibromomethane | 2.40 | 0.23 | mg/Kg wet | 2.27 | | 106 | 70-130 | | | |
| 1,2-Dichlorobenzene | 2.57 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | | | |
| 1,3-Dichlorobenzene | 2.55 | 0.23 | mg/Kg wet | 2.27 | | 112 | 70-130 | | | |
| 1,4-Dichlorobenzene | 2.57 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | | | |

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------------------------|---------------|------------|-------------|-----|-----------|--------------|
| Batch B021163 - SW-846 5035 | | | | | | | | | | |
| LCS (B021163-BS1) | | | | Prepared & Analyzed: 10/25/10 | | | | | | |
| Dichlorodifluoromethane (Freon 12) | 1.63 | 0.45 | mg/Kg wet | 2.27 | | 71.7 | 40-160 | | | † |
| 1,1-Dichloroethane | 2.54 | 0.23 | mg/Kg wet | 2.27 | | 112 | 70-130 | | | |
| 1,2-Dichloroethane | 2.56 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | | | |
| 1,1-Dichloroethylene | 2.77 | 0.23 | mg/Kg wet | 2.27 | | 122 | 70-130 | | | |
| cis-1,2-Dichloroethylene | 2.47 | 0.23 | mg/Kg wet | 2.27 | | 109 | 70-130 | | | |
| trans-1,2-Dichloroethylene | 2.93 | 0.23 | mg/Kg wet | 2.27 | | 129 | 70-130 | | | |
| 1,2-Dichloropropane | 2.37 | 0.23 | mg/Kg wet | 2.27 | | 105 | 70-130 | | | |
| 1,3-Dichloropropane | 2.34 | 0.11 | mg/Kg wet | 2.27 | | 103 | 70-130 | | | |
| 2,2-Dichloropropane | 3.00 | 0.23 | mg/Kg wet | 2.27 | | 132 | * 70-130 | | | V-20, L-02 |
| 1,1-Dichloropropene | 2.62 | 0.45 | mg/Kg wet | 2.27 | | 116 | 70-130 | | | |
| cis-1,3-Dichloropropene | 2.55 | 0.11 | mg/Kg wet | 2.27 | | 113 | 70-130 | | | |
| trans-1,3-Dichloropropene | 2.74 | 0.11 | mg/Kg wet | 2.27 | | 121 | 70-130 | | | |
| Diethyl Ether | 2.24 | 0.45 | mg/Kg wet | 2.27 | | 99.0 | 70-130 | | | |
| Diisopropyl Ether (DIPE) | 2.30 | 0.11 | mg/Kg wet | 2.27 | | 101 | 70-130 | | | |
| 1,4-Dioxane | 17.9 | 45 | mg/Kg wet | 22.7 | | 78.9 | 40-160 | | | R-05, V-16 † |
| Ethylbenzene | 2.70 | 0.23 | mg/Kg wet | 2.27 | | 119 | 70-130 | | | |
| Hexachlorobutadiene | 3.06 | 0.23 | mg/Kg wet | 2.27 | | 135 | * 70-130 | | | L-07, V-20 |
| 2-Hexanone (MBK) | 28.2 | 2.3 | mg/Kg wet | 22.7 | | 124 | 40-160 | | | † |
| Isopropylbenzene (Cumene) | 3.20 | 0.23 | mg/Kg wet | 2.27 | | 141 | * 70-130 | | | L-02 |
| p-Isopropyltoluene (p-Cymene) | 2.71 | 0.23 | mg/Kg wet | 2.27 | | 119 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 2.54 | 0.23 | mg/Kg wet | 2.27 | | 112 | 70-130 | | | |
| Methylene Chloride | 2.40 | 1.1 | mg/Kg wet | 2.27 | | 106 | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 20.5 | 2.3 | mg/Kg wet | 22.7 | | 90.5 | 40-160 | | | † |
| Naphthalene | 1.98 | 0.91 | mg/Kg wet | 2.27 | | 87.4 | 70-130 | | | |
| n-Propylbenzene | 2.73 | 0.23 | mg/Kg wet | 2.27 | | 120 | 70-130 | | | |
| Styrene | 2.55 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | | | |
| 1,1,1,2-Tetrachloroethane | 2.67 | 0.23 | mg/Kg wet | 2.27 | | 118 | 70-130 | | | |
| 1,1,1,2,2-Tetrachloroethane | 2.09 | 0.11 | mg/Kg wet | 2.27 | | 92.0 | 70-130 | | | |
| Tetrachloroethylene | 2.77 | 0.23 | mg/Kg wet | 2.27 | | 122 | 70-130 | | | V-20 |
| Tetrahydrofuran | 2.00 | 2.3 | mg/Kg wet | 2.27 | | 88.1 | 70-130 | | | V-16 |
| Toluene | 2.48 | 0.23 | mg/Kg wet | 2.27 | | 110 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 2.15 | 1.1 | mg/Kg wet | 2.27 | | 95.0 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 2.51 | 2.3 | mg/Kg wet | 2.27 | | 111 | 70-130 | | | |
| 1,1,1-Trichloroethane | 2.83 | 0.23 | mg/Kg wet | 2.27 | | 125 | 70-130 | | | V-20 |
| 1,1,2-Trichloroethane | 2.23 | 0.23 | mg/Kg wet | 2.27 | | 98.5 | 70-130 | | | |
| Trichloroethylene | 2.66 | 0.23 | mg/Kg wet | 2.27 | | 117 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 2.75 | 0.45 | mg/Kg wet | 2.27 | | 121 | 70-130 | | | V-20 |
| 1,2,3-Trichloropropane | 1.87 | 0.45 | mg/Kg wet | 2.27 | | 82.3 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 2.69 | 0.23 | mg/Kg wet | 2.27 | | 119 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 2.72 | 0.23 | mg/Kg wet | 2.27 | | 120 | 70-130 | | | |
| Vinyl Chloride | 2.12 | 0.45 | mg/Kg wet | 2.27 | | 93.6 | 70-130 | | | |
| m+p Xylene | 5.39 | 0.45 | mg/Kg wet | 4.53 | | 119 | 70-130 | | | |
| o-Xylene | 2.69 | 0.23 | mg/Kg wet | 2.27 | | 119 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 5.49 | | mg/Kg wet | 5.33 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 5.71 | | mg/Kg wet | 5.33 | | 107 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 5.83 | | mg/Kg wet | 5.33 | | 109 | 70-130 | | | |

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------------------------|---------------|---------------|-------------|---------------|-----------|--------------|
| Batch B021163 - SW-846 5035 | | | | | | | | | | |
| LCS Dup (B021163-BSD1) | | | | Prepared & Analyzed: 10/25/10 | | | | | | |
| Acetone | 36.2 | 11 | mg/Kg wet | 22.7 | | 160 | 40-160 | 14.5 | 20 | L-14 † |
| tert-Amyl Methyl Ether (TAME) | 2.20 | 0.11 | mg/Kg wet | 2.27 | | 97.0 | 70-130 | 1.98 | 20 | |
| Benzene | 2.41 | 0.23 | mg/Kg wet | 2.27 | | 106 | 70-130 | 2.60 | 20 | |
| Bromobenzene | 2.44 | 0.23 | mg/Kg wet | 2.27 | | 108 | 70-130 | 3.65 | 20 | |
| Bromochloromethane | 2.25 | 0.23 | mg/Kg wet | 2.27 | | 99.1 | 70-130 | 7.57 | 20 | |
| Bromodichloromethane | 2.57 | 0.23 | mg/Kg wet | 2.27 | | 114 | 70-130 | 0.176 | 20 | |
| Bromoform | 2.39 | 0.23 | mg/Kg wet | 2.27 | | 106 | 70-130 | 0.849 | 20 | |
| Bromomethane | 0.335 | 0.45 | mg/Kg wet | 2.27 | | 14.8 * | 40-160 | 6.99 | 20 | L-04, V-05 † |
| 2-Butanone (MEK) | 26.7 | 9.1 | mg/Kg wet | 22.7 | | 118 | 40-160 | 11.9 | 20 | † |
| n-Butylbenzene | 2.65 | 0.23 | mg/Kg wet | 2.27 | | 117 | 70-130 | 3.19 | 20 | |
| sec-Butylbenzene | 2.65 | 0.23 | mg/Kg wet | 2.27 | | 117 | 70-130 | 6.47 | 20 | |
| tert-Butylbenzene | 2.57 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | 6.40 | 20 | |
| tert-Butyl Ethyl Ether (TBEE) | 2.41 | 0.11 | mg/Kg wet | 2.27 | | 106 | 70-130 | 3.93 | 20 | |
| Carbon Disulfide | 2.85 | 2.3 | mg/Kg wet | 2.27 | | 126 | 70-130 | 9.40 | 20 | V-20 |
| Carbon Tetrachloride | 2.67 | 0.23 | mg/Kg wet | 2.27 | | 118 | 70-130 | 7.74 | 20 | V-20 |
| Chlorobenzene | 2.49 | 0.23 | mg/Kg wet | 2.27 | | 110 | 70-130 | 3.32 | 20 | |
| Chlorodibromomethane | 2.65 | 0.11 | mg/Kg wet | 2.27 | | 117 | 70-130 | 1.46 | 20 | |
| Chloroethane | 1.95 | 0.45 | mg/Kg wet | 2.27 | | 86.1 | 70-130 | 9.20 | 20 | |
| Chloroform | 2.56 | 0.45 | mg/Kg wet | 2.27 | | 113 | 70-130 | 5.93 | 20 | |
| Chloromethane | 1.51 | 0.45 | mg/Kg wet | 2.27 | | 66.8 | 40-160 | 5.25 | 20 | L-14 † |
| 2-Chlorotoluene | 2.49 | 0.23 | mg/Kg wet | 2.27 | | 110 | 70-130 | 4.02 | 20 | |
| 4-Chlorotoluene | 2.66 | 0.23 | mg/Kg wet | 2.27 | | 118 | 70-130 | 2.77 | 20 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.54 | 2.3 | mg/Kg wet | 2.27 | | 112 | 70-130 | 12.1 | 20 | |
| 1,2-Dibromoethane (EDB) | 2.50 | 0.11 | mg/Kg wet | 2.27 | | 110 | 70-130 | 2.20 | 20 | |
| Dibromomethane | 2.33 | 0.23 | mg/Kg wet | 2.27 | | 103 | 70-130 | 2.97 | 20 | |
| 1,2-Dichlorobenzene | 2.52 | 0.23 | mg/Kg wet | 2.27 | | 111 | 70-130 | 1.96 | 20 | |
| 1,3-Dichlorobenzene | 2.54 | 0.23 | mg/Kg wet | 2.27 | | 112 | 70-130 | 0.0891 | 20 | |
| 1,4-Dichlorobenzene | 2.51 | 0.23 | mg/Kg wet | 2.27 | | 111 | 70-130 | 2.32 | 20 | |
| Dichlorodifluoromethane (Freon 12) | 1.49 | 0.45 | mg/Kg wet | 2.27 | | 65.7 | 40-160 | 8.73 | 20 | L-14 † |
| 1,1-Dichloroethane | 2.40 | 0.23 | mg/Kg wet | 2.27 | | 106 | 70-130 | 5.50 | 20 | |
| 1,2-Dichloroethane | 2.47 | 0.23 | mg/Kg wet | 2.27 | | 109 | 70-130 | 3.61 | 20 | |
| 1,1-Dichloroethylene | 2.63 | 0.23 | mg/Kg wet | 2.27 | | 116 | 70-130 | 5.12 | 20 | |
| cis-1,2-Dichloroethylene | 2.48 | 0.23 | mg/Kg wet | 2.27 | | 109 | 70-130 | 0.275 | 20 | |
| trans-1,2-Dichloroethylene | 2.80 | 0.23 | mg/Kg wet | 2.27 | | 123 | 70-130 | 4.59 | 20 | |
| 1,2-Dichloropropane | 2.43 | 0.23 | mg/Kg wet | 2.27 | | 107 | 70-130 | 2.55 | 20 | |
| 1,3-Dichloropropane | 2.31 | 0.11 | mg/Kg wet | 2.27 | | 102 | 70-130 | 1.46 | 20 | |
| 2,2-Dichloropropane | 3.00 | 0.23 | mg/Kg wet | 2.27 | | 132 * | 70-130 | 0.227 | 20 | L-02, V-20 |
| 1,1-Dichloropropene | 2.42 | 0.45 | mg/Kg wet | 2.27 | | 107 | 70-130 | 7.73 | 20 | |
| cis-1,3-Dichloropropene | 2.54 | 0.11 | mg/Kg wet | 2.27 | | 112 | 70-130 | 0.356 | 20 | |
| trans-1,3-Dichloropropene | 2.76 | 0.11 | mg/Kg wet | 2.27 | | 122 | 70-130 | 0.494 | 20 | |
| Diethyl Ether | 2.40 | 0.45 | mg/Kg wet | 2.27 | | 106 | 70-130 | 6.64 | 20 | |
| Diisopropyl Ether (DIPE) | 2.33 | 0.11 | mg/Kg wet | 2.27 | | 103 | 70-130 | 1.18 | 20 | |
| 1,4-Dioxane | 25.5 | 45 | mg/Kg wet | 22.7 | | 112 | 40-160 | 35.0 * | 20 | R-05, V-16 † |
| Ethylbenzene | 2.55 | 0.23 | mg/Kg wet | 2.27 | | 112 | 70-130 | 5.70 | 20 | |
| Hexachlorobutadiene | 2.84 | 0.23 | mg/Kg wet | 2.27 | | 125 | 70-130 | 7.68 | 20 | V-20 |
| 2-Hexanone (MBK) | 24.1 | 2.3 | mg/Kg wet | 22.7 | | 106 | 40-160 | 15.4 | 20 | † |
| Isopropylbenzene (Cumene) | 3.02 | 0.23 | mg/Kg wet | 2.27 | | 133 * | 70-130 | 5.91 | 20 | L-02 |
| p-Isopropyltoluene (p-Cymene) | 2.62 | 0.23 | mg/Kg wet | 2.27 | | 116 | 70-130 | 3.23 | 20 | |
| Methyl tert-Butyl Ether (MTBE) | 2.60 | 0.23 | mg/Kg wet | 2.27 | | 114 | 70-130 | 2.03 | 20 | |
| Methylene Chloride | 2.40 | 1.1 | mg/Kg wet | 2.27 | | 106 | 70-130 | 0.378 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 20.1 | 2.3 | mg/Kg wet | 22.7 | | 88.5 | 40-160 | 2.17 | 20 | † |
| Naphthalene | 2.19 | 0.91 | mg/Kg wet | 2.27 | | 96.5 | 70-130 | 9.90 | 20 | |

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------------------------|---------------|------|-------------|-------|-----------|-------|
| Batch B021163 - SW-846 5035 | | | | | | | | | | |
| LCS Dup (B021163-BSD1) | | | | Prepared & Analyzed: 10/25/10 | | | | | | |
| n-Propylbenzene | 2.65 | 0.23 | mg/Kg wet | 2.27 | | 117 | 70-130 | 2.95 | 20 | |
| Styrene | 2.45 | 0.23 | mg/Kg wet | 2.27 | | 108 | 70-130 | 4.35 | 20 | |
| 1,1,1,2-Tetrachloroethane | 2.59 | 0.23 | mg/Kg wet | 2.27 | | 114 | 70-130 | 3.01 | 20 | |
| 1,1,2,2-Tetrachloroethane | 2.10 | 0.11 | mg/Kg wet | 2.27 | | 92.7 | 70-130 | 0.758 | 20 | |
| Tetrachloroethylene | 2.62 | 0.23 | mg/Kg wet | 2.27 | | 116 | 70-130 | 5.55 | 20 | V-20 |
| Tetrahydrofuran | 2.09 | 2.3 | mg/Kg wet | 2.27 | | 92.3 | 70-130 | 4.66 | 20 | V-16 |
| Toluene | 2.39 | 0.23 | mg/Kg wet | 2.27 | | 105 | 70-130 | 3.82 | 20 | |
| 1,2,3-Trichlorobenzene | 2.38 | 1.1 | mg/Kg wet | 2.27 | | 105 | 70-130 | 9.90 | 20 | |
| 1,2,4-Trichlorobenzene | 2.53 | 2.3 | mg/Kg wet | 2.27 | | 112 | 70-130 | 0.720 | 20 | |
| 1,1,1-Trichloroethane | 2.75 | 0.23 | mg/Kg wet | 2.27 | | 122 | 70-130 | 2.68 | 20 | V-20 |
| 1,1,2-Trichloroethane | 2.23 | 0.23 | mg/Kg wet | 2.27 | | 98.5 | 70-130 | 0.00 | 20 | |
| Trichloroethylene | 2.57 | 0.23 | mg/Kg wet | 2.27 | | 113 | 70-130 | 3.47 | 20 | |
| Trichlorofluoromethane (Freon 11) | 2.55 | 0.45 | mg/Kg wet | 2.27 | | 113 | 70-130 | 7.44 | 20 | V-20 |
| 1,2,3-Trichloropropane | 1.95 | 0.45 | mg/Kg wet | 2.27 | | 86.1 | 70-130 | 4.51 | 20 | |
| 1,2,4-Trimethylbenzene | 2.54 | 0.23 | mg/Kg wet | 2.27 | | 112 | 70-130 | 5.55 | 20 | |
| 1,3,5-Trimethylbenzene | 2.64 | 0.23 | mg/Kg wet | 2.27 | | 116 | 70-130 | 3.13 | 20 | |
| Vinyl Chloride | 2.06 | 0.45 | mg/Kg wet | 2.27 | | 90.8 | 70-130 | 3.04 | 20 | |
| m+p Xylene | 5.11 | 0.45 | mg/Kg wet | 4.53 | | 113 | 70-130 | 5.23 | 20 | |
| o-Xylene | 2.61 | 0.23 | mg/Kg wet | 2.27 | | 115 | 70-130 | 3.00 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 5.37 | | mg/Kg wet | 5.33 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 5.61 | | mg/Kg wet | 5.33 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 5.76 | | mg/Kg wet | 5.33 | | 108 | 70-130 | | | |

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------|--------|-----------------|-----------|-------------|---------------|------|-------------|-------|-----------|-------|
| Batch B021037 - SW-846 3546 | | | | | | | | | | |
| Blank (B021037-BLK1) | | | | | | | | | | |
| Prepared: 10/21/10 Analyzed: 10/22/10 | | | | | | | | | | |
| Aroclor-1016 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Surrogate: Decachlorobiphenyl | 0.183 | | mg/Kg wet | 0.200 | | 91.3 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | 0.193 | | mg/Kg wet | 0.200 | | 96.4 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.176 | | mg/Kg wet | 0.200 | | 87.9 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | 0.194 | | mg/Kg wet | 0.200 | | 97.1 | 30-150 | | | |
| LCS (B021037-BS1) | | | | | | | | | | |
| Prepared: 10/21/10 Analyzed: 10/22/10 | | | | | | | | | | |
| Aroclor-1016 | 0.20 | 0.10 | mg/Kg wet | 0.200 | | 101 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.22 | 0.10 | mg/Kg wet | 0.200 | | 108 | 40-140 | | | |
| Aroclor-1260 | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 103 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 106 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | 0.202 | | mg/Kg wet | 0.200 | | 101 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | 0.213 | | mg/Kg wet | 0.200 | | 107 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.209 | | mg/Kg wet | 0.200 | | 104 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | 0.228 | | mg/Kg wet | 0.200 | | 114 | 30-150 | | | |
| LCS Dup (B021037-BSD1) | | | | | | | | | | |
| Prepared: 10/21/10 Analyzed: 10/22/10 | | | | | | | | | | |
| Aroclor-1016 | 0.22 | 0.10 | mg/Kg wet | 0.200 | | 111 | 40-140 | 9.28 | 30 | |
| Aroclor-1016 [2C] | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 104 | 40-140 | 4.63 | 30 | |
| Aroclor-1260 | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 104 | 40-140 | 0.667 | 30 | |
| Aroclor-1260 [2C] | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 106 | 40-140 | 0.344 | 30 | |
| Surrogate: Decachlorobiphenyl | 0.201 | | mg/Kg wet | 0.200 | | 100 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | 0.213 | | mg/Kg wet | 0.200 | | 107 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.210 | | mg/Kg wet | 0.200 | | 105 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | 0.229 | | mg/Kg wet | 0.200 | | 114 | 30-150 | | | |

QUALITY CONTROL
TCLP - Metals Analyses - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------|-----------------|-------|---------------------------------------|---------------|---------------------------------------|-------------|------|-----------|-------|
| Batch B021104 - SW-846 7470A Prep | | | | | | | | | | |
| Blank (B021104-BLK1) | | | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | | | |
| Mercury | ND | 0.00010 | mg/L | | | | | | | |
| LCS (B021104-BS1) | | | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | | | |
| Mercury | 0.00197 | 0.00010 | mg/L | 0.00200 | | 98.5 | 80-120 | | | |
| LCS Dup (B021104-BSD1) | | | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | | | |
| Mercury | 0.00195 | 0.00010 | mg/L | 0.00200 | | 97.5 | 80-120 | 1.05 | 20 | |
| Matrix Spike (B021104-MS1) | | | | Source: 10J0571-01 | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | |
| Mercury | 0.00193 | 0.00010 | mg/L | 0.00200 | ND | 96.4 | 75-125 | | | |
| Batch B021113 - SW-846 3010A | | | | | | | | | | |
| Blank (B021113-BLK1) | | | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | | | |
| Arsenic | ND | 0.010 | mg/L | | | | | | | |
| Barium | ND | 0.050 | mg/L | | | | | | | |
| Cadmium | ND | 0.0040 | mg/L | | | | | | | |
| Chromium | ND | 0.010 | mg/L | | | | | | | |
| Lead | ND | 0.010 | mg/L | | | | | | | |
| Selenium | ND | 0.050 | mg/L | | | | | | | |
| Silver | ND | 0.0050 | mg/L | | | | | | | |
| LCS (B021113-BS1) | | | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | | | |
| Arsenic | 0.616 | 0.010 | mg/L | 0.500 | | 123 | * 80-120 | | | L-02 |
| Barium | 0.517 | 0.050 | mg/L | 0.500 | | 103 | 80-120 | | | |
| Cadmium | 0.575 | 0.0040 | mg/L | 0.500 | | 115 | 80-120 | | | |
| Chromium | 0.533 | 0.010 | mg/L | 0.500 | | 107 | 80-120 | | | |
| Lead | 0.511 | 0.010 | mg/L | 0.500 | | 102 | 80-120 | | | |
| Selenium | 0.540 | 0.050 | mg/L | 0.500 | | 108 | 80-120 | | | |
| Silver | 0.537 | 0.0050 | mg/L | 0.500 | | 107 | 80-120 | | | |
| LCS Dup (B021113-BSD1) | | | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | | | |
| Arsenic | 0.650 | 0.010 | mg/L | 0.500 | | 130 | * 80-120 | 5.39 | 20 | L-02 |
| Barium | 0.530 | 0.050 | mg/L | 0.500 | | 106 | 80-120 | 2.54 | 20 | |
| Cadmium | 0.590 | 0.0040 | mg/L | 0.500 | | 118 | 80-120 | 2.47 | 20 | |
| Chromium | 0.547 | 0.010 | mg/L | 0.500 | | 109 | 80-120 | 2.77 | 20 | |
| Lead | 0.526 | 0.010 | mg/L | 0.500 | | 105 | 80-120 | 2.95 | 20 | |
| Selenium | 0.558 | 0.050 | mg/L | 0.500 | | 112 | 80-120 | 3.12 | 20 | |
| Silver | 0.549 | 0.0050 | mg/L | 0.500 | | 110 | 80-120 | 2.29 | 20 | |
| Matrix Spike (B021113-MS1) | | | | Source: 10J0571-01 | | Prepared: 10/22/10 Analyzed: 10/25/10 | | | | |
| Arsenic | 0.640 | 0.010 | mg/L | 0.500 | 0.00884 | 126 | * 75-125 | | | MS-14 |
| Barium | 0.822 | 0.050 | mg/L | 0.500 | 0.299 | 105 | 75-125 | | | |
| Cadmium | 0.574 | 0.0040 | mg/L | 0.500 | 0.00211 | 114 | 75-125 | | | |
| Chromium | 0.552 | 0.010 | mg/L | 0.500 | 0.00193 | 110 | 75-125 | | | |
| Lead | 0.533 | 0.010 | mg/L | 0.500 | 0.0112 | 104 | 75-125 | | | |
| Selenium | 0.559 | 0.050 | mg/L | 0.500 | ND | 112 | 75-125 | | | |
| Silver | 0.552 | 0.0050 | mg/L | 0.500 | ND | 110 | 75-125 | | | |

FLAG/QUALIFIER SUMMARY

| | |
|-------|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits established for difficult compound. |
| ‡ | Wide RPD limits established for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| L-02 | Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. |
| L-04 | Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. |
| L-07 | Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria. |
| L-14 | Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. |
| MS-14 | Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound. |
| R-05 | Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. |
| RL-05 | Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met. |
| S-12 | Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected. |
| S-13 | Surrogate recovery is outside of control limits on both columns. |
| S-21 | Data validation is not affected since all results are "not detected" and bias is on the high side. |
| | Surrogate was diluted below its calibration range due to elevated levels of target analytes. |
| V-05 | Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side. |
| V-16 | Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result. |
| V-20 | Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound. |

CERTIFICATIONS

Certified Analyses included in this Report

| Analyte | Certifications |
|-------------------------------------|----------------|
| <i>SW-846 6010B in Water</i> | |
| Arsenic | NY,CT |
| Barium | NY,CT |
| Cadmium | NY,CT |
| Chromium | NY,CT |
| Lead | NY,CT |
| <i>SW-846 8082 in Soil</i> | |
| Aroclor-1016 | CT,NH,NY,NC |
| Aroclor-1016 [2C] | CT,NH,NY,NC |
| Aroclor-1221 | CT,NH,NY,NC |
| Aroclor-1221 [2C] | CT,NH,NY,NC |
| Aroclor-1232 | CT,NH,NY,NC |
| Aroclor-1232 [2C] | CT,NH,NY,NC |
| Aroclor-1242 | CT,NH,NY,NC |
| Aroclor-1242 [2C] | CT,NH,NY,NC |
| Aroclor-1248 | CT,NH,NY,NC |
| Aroclor-1248 [2C] | CT,NH,NY,NC |
| Aroclor-1254 | CT,NH,NY,NC |
| Aroclor-1254 [2C] | CT,NH,NY,NC |
| Aroclor-1260 | CT,NH,NY,NC |
| Aroclor-1260 [2C] | CT,NH,NY,NC |
| Aroclor-1262 | NC |
| Aroclor-1262 [2C] | NC |
| Aroclor-1268 | NC |
| Aroclor-1268 [2C] | NC |
| <i>SW-846 8260B in Soil</i> | |
| Acetone | CT,NH,NY,NC |
| tert-Amyl Methyl Ether (TAME) | NC |
| Benzene | CT,NH,NY,NC |
| Bromobenzene | NH,NY,NC |
| Bromochloromethane | NH,NY,NC |
| Bromodichloromethane | CT,NH,NY,NC |
| Bromoform | CT,NH,NY,NC |
| Bromomethane | CT,NH,NY,NC |
| 2-Butanone (MEK) | CT,NH,NY,NC |
| n-Butylbenzene | CT,NH,NY,NC |
| sec-Butylbenzene | CT,NH,NY,NC |
| tert-Butylbenzene | CT,NH,NY,NC |
| tert-Butyl Ethyl Ether (TBEE) | NC |
| Carbon Disulfide | CT,NH,NY,NC |
| Carbon Tetrachloride | CT,NH,NY,NC |
| Chlorobenzene | CT,NH,NY,NC |
| Chlorodibromomethane | CT,NH,NY,NC |
| Chloroethane | CT,NH,NY,NC |
| Chloroform | CT,NH,NY,NC |
| Chloromethane | CT,NH,NY,NC |
| 2-Chlorotoluene | CT,NH,NY,NC |

CERTIFICATIONS

Certified Analyses included in this Report

| Analyte | Certifications |
|------------------------------------|----------------|
| SW-846 8260B in Soil | |
| 4-Chlorotoluene | CT,NH,NY,NC |
| 1,2-Dibromo-3-chloropropane (DBCP) | NC |
| 1,2-Dibromoethane (EDB) | NC |
| Dibromomethane | NH,NY,NC |
| 1,2-Dichlorobenzene | CT,NH,NY,NC |
| 1,3-Dichlorobenzene | CT,NH,NY,NC |
| 1,4-Dichlorobenzene | CT,NH,NY,NC |
| Dichlorodifluoromethane (Freon 12) | NY,NC |
| 1,1-Dichloroethane | CT,NH,NY,NC |
| 1,2-Dichloroethane | CT,NH,NY,NC |
| 1,1-Dichloroethylene | CT,NH,NY,NC |
| cis-1,2-Dichloroethylene | CT,NH,NY,NC |
| trans-1,2-Dichloroethylene | CT,NH,NY,NC |
| 1,2-Dichloropropane | CT,NH,NY,NC |
| 1,3-Dichloropropane | NH,NY,NC |
| 2,2-Dichloropropane | NH,NY,NC |
| 1,1-Dichloropropene | NH,NY,NC |
| cis-1,3-Dichloropropene | CT,NH,NY,NC |
| trans-1,3-Dichloropropene | CT,NH,NY,NC |
| Diethyl Ether | NC |
| Diisopropyl Ether (DIPE) | NC |
| 1,4-Dioxane | NC |
| Ethylbenzene | CT,NH,NY,NC |
| Hexachlorobutadiene | NH,NY,NC |
| 2-Hexanone (MBK) | CT,NH,NY,NC |
| Isopropylbenzene (Cumene) | CT,NH,NY,NC |
| p-Isopropyltoluene (p-Cymene) | NC |
| Methyl tert-Butyl Ether (MTBE) | NC |
| Methylene Chloride | CT,NH,NY,NC |
| 4-Methyl-2-pentanone (MIBK) | CT,NH,NY,NC |
| Naphthalene | NH,NY,NC |
| n-Propylbenzene | NC |
| Styrene | CT,NH,NY,NC |
| 1,1,1,2-Tetrachloroethane | CT,NH,NY,NC |
| 1,1,2,2-Tetrachloroethane | CT,NH,NY,NC |
| Tetrachloroethylene | CT,NH,NY,NC |
| Tetrahydrofuran | NC |
| Toluene | CT,NH,NY,NC |
| 1,2,3-Trichlorobenzene | NC |
| 1,2,4-Trichlorobenzene | NH,NY,NC |
| 1,1,1-Trichloroethane | CT,NH,NY,NC |
| 1,1,2-Trichloroethane | CT,NH,NY,NC |
| Trichloroethylene | CT,NH,NY,NC |
| Trichlorofluoromethane (Freon 11) | CT,NH,NY,NC |
| 1,2,3-Trichloropropane | NH,NY,NC |
| 1,2,4-Trimethylbenzene | CT,NH,NY,NC |
| 1,3,5-Trimethylbenzene | CT,NH,NY,NC |

CERTIFICATIONS

Certified Analyses included in this Report

| Analyte | Certifications |
|-----------------------------|----------------|
| <i>SW-846 8260B in Soil</i> | |
| Vinyl Chloride | CT,NH,NY,NC |
| m+p Xylene | CT,NH,NY,NC |
| o-Xylene | CT,NH,NY,NC |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

| Code | Description | Number | Expires |
|------|--|---------------|------------|
| AIHA | American Industrial Hygiene Association | 100033 | 01/1/2012 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2011 |
| CT | Connecticut Department of Public Health | PH-0567 | 09/30/2011 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2011 |
| NH | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2011 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2010 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2010 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2011 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2011 |
| VT | Vermont Department of Health Lead Laboratory | LL015036 | 07/30/2011 |
| WA | State of Washington Department of Ecology | C2065 | 02/23/2011 |



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www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page

Page 24 of 26

Company Name: O'Reilly Talbot Tolman
Address: 293 Bridge St Suite 500
Springfield MA 01103

Telephone: (413) 788-6222
Project # 218-01-02

Client PO #

Attention: Kevin O'Reilly

Project Location: W.R. Grace

Sampled By: ERT

Proposal Provided? (For Billing purposes) ☐ yes ☐ no

State Form Required? ☐ yes ☐ no

DATA DELIVERY (check one):

☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: O'Reilly Talbot-Tolman.com

Format: ☐ EXCEL ☒ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time

Stop Date/Time

Comp. Date/Time

Matrix Code

Conc. Code

Code

Code

Code

Code

Code

Code

Field ID 01 Sample Description E.R. Camp

Lab #

Start Date/Time 10/18/10 14:00

Stop Date/Time 10/18/10 14:30

Comp. Date/Time

Matrix Code MS U

Conc. Code

Code

Code

Code

Code

Code

Code

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Turnaround **

☐ 7-Day

☐ 10-Day

☒ Other 3-day

RUSH *

☐ *24-Hr ☐ *48-Hr

☐ *72-Hr ☐ *4-Day

* Require lab approval

Detection Limit Requirements

Regulations?

Regulations?

Regulations?

Regulations?

Regulations?

Regulations?

Regulations?

Regulations?

Regulations?

Regulations?

Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

O = other

O = other

O = other

**Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

O = Other

O = Other

O = Other

O = Other

ANALYSIS REQUESTED

Cont. Code:

A = amber glass

G = glass

P = plastic

ST = sterile

V = vial

S = summa can

T = teflon bag

O = Other

O = Other

O = Other

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O = Other

O = Other

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** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

Sample Receipt Checklist

 CLIENT NAME: O'Reilly Talbot RECEIVED BY: PB DATE: 10/19/10

 1) Was the chain(s) of custody relinquished and signed? Yes No

 2) Does the chain agree with the samples? Yes No

If not, explain:

 3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

 On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

 Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.8

 5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

 6) Are there any samples "On Hold"? Yes No

 Stored where:

 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

 8) Location where samples are stored:

 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

Containers received at Con-Test

| | # of containers | | # of containers |
|--------------------------------|-----------------|-----------------------|-----------------|
| 1 Liter Amber | | 8 oz amber/clear jar | |
| 500 mL Amber | | 4 oz amber/clear jar | |
| 250 mL Amber (8oz amber) | <u>3</u> | 2 oz amber/clear jar | |
| 1 Liter Plastic | | Other glass jar | |
| 500 mL Plastic | | Plastic Bag / Ziploc | |
| 250 mL plastic | | Air Cassette | |
| 40 mL Vial - type listed below | <u>3</u> | SOC Kit | |
| Colisure / bacteria bottle | | Tubes | |
| Dissolved Oxygen bottle | | Non-ConTest Container | |
| Flashpoint bottle | | Other | |
| Encore | | PM 2.5 / PM 10 | |
| Perchlorate Kit | | PUF Cartridge | |

Laboratory Comments:

 40 mL vials: # HCl _____ # Methanol 1
 # Bisulfate 2 # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10J0571

Project Location: WR Grace

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
10J0571-01

Matrices: Soil

CAM Protocol (check all that below)

| | | | | | |
|------------------------------|------------------------------|-----------------------------|---|------------------------------------|-----------------------------|
| 8260 VOC CAM II A (X) | 7470/7471 Hg CAM IIIB (X) | MassDEP VPH CAM IV A () | 8081 Pesticides CAM V B () | 7196 Hex Cr CAM VI B () | MassDEP APH CAM IX A () |
| 8270 SVOC CAM II B () | 7010 Metals CAM III C () | MassDEP EPH CAM IV A () | 8151 Herbicides CAM V C () | 8330 Explosives CAM VIII A () | TO-15 VOC CAM IX B () |
| 6010 Metals CAM III A (X) | 6020 Metals CAM III D () | 8082 PCB CAM V A (X) | 9014 Total Cyanide/PAC CAM VI A () | 6860 Perchlorate CAM VIII B () | |

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

| | | |
|------------|---|--|
| A | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹ |
| B | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹ |
| C | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹ |
| D | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹ |
| E a | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). | <input type="checkbox"/> Yes <input type="checkbox"/> No ¹ |
| E b | APH and TO-15 Methods only: Was the complete analyte list reported for each method? | <input type="checkbox"/> Yes <input type="checkbox"/> No ¹ |
| F | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹ |

A response to questions G, H and I below is required for "Presumptive Certainty" status

| | | |
|----------|---|--|
| G | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹ |
|----------|---|--|

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

| | | |
|----------|--|--|
| H | Were all QC performance standards specified in the CAM protocol(s) achieved? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹ |
| I | Were results reported for the complete analyte list specified in the selected CAM protocol(s)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹ |

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: 

Position: Laboratory Director

Printed Name: Michael A. Erickson

Date: 10/27/10

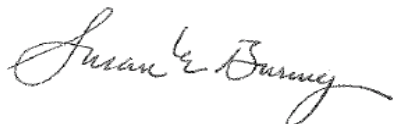
November 2, 2010

Kevin O'Reilly
OTO Associates
293 Bridge St. Suite 500
Springfield, MA 01103

Project Location: WR Grace
Client Job Number:
Project Number: 2118-01-02
Laboratory Work Order Number: 10J0782

Enclosed are results of analyses for samples received by the laboratory on October 26, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Susan M. Burney
Project Manager

OTO Associates
293 Bridge St. Suite 500
Springfield, MA 01103
ATTN: Kevin O'Reilly

REPORT DATE: 11/2/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2118-01-02

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0782

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: WR Grace

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|----------------|------------|--------|--------------------|---|---------|
| R.R. Comp | 10J0782-01 | Soil | R.R. Comp | SM 2540G SW-846 1311 SW-846 8270C | |

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8270C

Qualifications:

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Pyridine

10J0782-01[R.R. Comp], B021477-MS1

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

Analyte & Samples(s) Qualified:

3/4-Methylphenol

10J0782-01[R.R. Comp], B021477-BLK1, B021477-BS1, B021477-MS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WR Grace

Sample Description: R.R. Comp

Work Order: 10J0782

Date Received: 10/26/2010

Field Sample #: R.R. Comp

Sample ID: 10J0782-01

Start Date/Time: 10/18/2010 2:00:00PM

Sample Matrix: Soil

Stop Date/Time: 10/18/2010 2:30:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|----------|---------|----|-------|----------|------|----------|---------------|--------------------|---------|
| % Solids | 77.6 | | % Wt | 1 | | SM 2540G | 10/27/10 | 10/27/10 20:31 | VAF |

Project Location: WR Grace

Sample Description: R.R. Comp

Work Order: 10J0782

Date Received: 10/26/2010

Field Sample #: R.R. Comp

Sample ID: 10J0782-01

Start Date/Time: 10/18/2010 2:00:00PM

Sample Matrix: Soil

Stop Date/Time: 10/18/2010 2:30:00PM

TCLP - Semivolatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|-----------------------|------------|-------|-----------------|----------|-------|--------------|---------------|--------------------|---------|
| 2,4-Dinitrotoluene | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| Hexachlorobenzene | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| Hexachlorobutadiene | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| Hexachloroethane | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| 2-Methylphenol | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| 3/4-Methylphenol | 0.067 | 0.050 | mg/L | 1 | V-19 | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| Nitrobenzene | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| Pentachlorophenol | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| Pyridine | ND | 0.025 | mg/L | 1 | MS-07 | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| 2,4,5-Trichlorophenol | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| 2,4,6-Trichlorophenol | ND | 0.050 | mg/L | 1 | | SW-846 8270C | 10/29/10 | 11/1/10 11:58 | BGL |
| Surrogates | % Recovery | | Recovery Limits | | Flag | | | | |
| 2-Fluorophenol | 38.6 | | 15-110 | | | | 11/1/10 11:58 | | |
| Phenol-d6 | 29.2 | | 15-110 | | | | 11/1/10 11:58 | | |
| Nitrobenzene-d5 | 43.1 | | 30-130 | | | | 11/1/10 11:58 | | |
| 2-Fluorobiphenyl | 52.2 | | 30-130 | | | | 11/1/10 11:58 | | |
| 2,4,6-Tribromophenol | 60.9 | | 15-110 | | | | 11/1/10 11:58 | | |
| Terphenyl-d14 | 52.9 | | 30-130 | | | | 11/1/10 11:58 | | |

Sample Extraction Data

Prep Method: % Solids-SM 2540G

| Lab Number [Field ID] | Batch | Date |
|------------------------|---------|----------|
| 10J0782-01 [R.R. Comp] | B021329 | 10/27/10 |

Prep Method: SW-846 1311-SW-846 8270C

Leachates were extracted on 10/26/2010 per SW-846 1311 in Batch B021255

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|------------------------|---------|--------------|------------|----------|
| 10J0782-01 [R.R. Comp] | B021477 | 200 | 1.00 | 10/29/10 |

QUALITY CONTROL
TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-------|--|---------------|-------------|-------------|-----|-----------|-------|
| Batch B021477 - SW-846 1311 | | | | | | | | | | |
| Blank (B021477-BLK1) | | | | Prepared: 10/29/10 Analyzed: 11/01/10 | | | | | | |
| 2,4-Dinitrotoluene | ND | 0.050 | mg/L | | | | | | | |
| Hexachlorobenzene | ND | 0.050 | mg/L | | | | | | | |
| Hexachlorobutadiene | ND | 0.050 | mg/L | | | | | | | |
| Hexachloroethane | ND | 0.050 | mg/L | | | | | | | |
| 2-Methylphenol | ND | 0.050 | mg/L | | | | | | | |
| 3/4-Methylphenol | ND | 0.050 | mg/L | | | | | | | V-19 |
| Nitrobenzene | ND | 0.050 | mg/L | | | | | | | |
| Pentachlorophenol | ND | 0.050 | mg/L | | | | | | | |
| Pyridine | ND | 0.025 | mg/L | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 0.050 | mg/L | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 0.050 | mg/L | | | | | | | |
| Surrogate: 2-Fluorophenol | 0.790 | | mg/L | 1.00 | | 79.0 | 15-110 | | | |
| Surrogate: Phenol-d6 | 0.838 | | mg/L | 1.00 | | 83.8 | 15-110 | | | |
| Surrogate: Nitrobenzene-d5 | 0.287 | | mg/L | 0.500 | | 57.5 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | 0.357 | | mg/L | 0.500 | | 71.4 | 30-130 | | | |
| Surrogate: 2,4,6-Tribromophenol | 0.515 | | mg/L | 1.00 | | 51.5 | 15-110 | | | |
| Surrogate: Terphenyl-d14 | 0.286 | | mg/L | 0.500 | | 57.1 | 30-130 | | | |
| LCS (B021477-BS1) | | | | Prepared: 10/29/10 Analyzed: 11/01/10 | | | | | | |
| 2,4-Dinitrotoluene | 0.321 | 0.050 | mg/L | 0.500 | | 64.3 | 40-140 | | | |
| Hexachlorobenzene | 0.309 | 0.050 | mg/L | 0.500 | | 61.7 | 40-140 | | | |
| Hexachlorobutadiene | 0.288 | 0.050 | mg/L | 0.500 | | 57.6 | 40-140 | | | |
| Hexachloroethane | 0.288 | 0.050 | mg/L | 0.500 | | 57.5 | 40-140 | | | |
| 2-Methylphenol | 0.339 | 0.050 | mg/L | 0.500 | | 67.8 | 30-130 | | | |
| 3/4-Methylphenol | 0.317 | 0.050 | mg/L | 0.500 | | 63.5 | 30-130 | | | V-19 |
| Nitrobenzene | 0.311 | 0.050 | mg/L | 0.500 | | 62.2 | 40-140 | | | |
| Pentachlorophenol | 0.331 | 0.050 | mg/L | 0.500 | | 66.1 | 30-130 | | | |
| Pyridine | 0.259 | 0.025 | mg/L | 0.500 | | 51.8 | 10-140 | | | † |
| 2,4,5-Trichlorophenol | 0.342 | 0.050 | mg/L | 0.500 | | 68.4 | 30-130 | | | |
| 2,4,6-Trichlorophenol | 0.332 | 0.050 | mg/L | 0.500 | | 66.4 | 30-130 | | | |
| Surrogate: 2-Fluorophenol | 0.622 | | mg/L | 1.00 | | 62.2 | 15-110 | | | |
| Surrogate: Phenol-d6 | 0.676 | | mg/L | 1.00 | | 67.6 | 15-110 | | | |
| Surrogate: Nitrobenzene-d5 | 0.287 | | mg/L | 0.500 | | 57.4 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | 0.321 | | mg/L | 0.500 | | 64.2 | 30-130 | | | |
| Surrogate: 2,4,6-Tribromophenol | 0.765 | | mg/L | 1.00 | | 76.5 | 15-110 | | | |
| Surrogate: Terphenyl-d14 | 0.298 | | mg/L | 0.500 | | 59.6 | 30-130 | | | |
| Matrix Spike (B021477-MS1) | | | | Source: 10J0782-01 Prepared: 10/29/10 Analyzed: 11/01/10 | | | | | | |
| 2,4-Dinitrotoluene | 0.284 | 0.050 | mg/L | 0.500 | ND | 56.9 | 40-140 | | | |
| Hexachlorobenzene | 0.298 | 0.050 | mg/L | 0.500 | ND | 59.6 | 40-140 | | | |
| Hexachlorobutadiene | 0.255 | 0.050 | mg/L | 0.500 | ND | 50.9 | 40-140 | | | |
| Hexachloroethane | 0.263 | 0.050 | mg/L | 0.500 | ND | 52.6 | 40-140 | | | |
| 2-Methylphenol | 0.343 | 0.050 | mg/L | 0.500 | 0.0394 | 60.8 | 40-140 | | | |
| 3/4-Methylphenol | 0.373 | 0.050 | mg/L | 0.500 | 0.0666 | 61.3 | 40-140 | | | V-19 |
| Nitrobenzene | 0.272 | 0.050 | mg/L | 0.500 | ND | 54.3 | 40-140 | | | |
| Pentachlorophenol | 0.357 | 0.050 | mg/L | 0.500 | ND | 71.4 | 40-140 | | | |
| Pyridine | 0.102 | 0.025 | mg/L | 0.500 | ND | 20.4 | * 40-140 | | | MS-07 |
| 2,4,5-Trichlorophenol | 0.318 | 0.050 | mg/L | 0.500 | ND | 63.7 | 40-140 | | | |
| 2,4,6-Trichlorophenol | 0.316 | 0.050 | mg/L | 0.500 | ND | 63.3 | 40-140 | | | |
| Surrogate: 2-Fluorophenol | 0.392 | | mg/L | 1.00 | | 39.2 | 15-110 | | | |
| Surrogate: Phenol-d6 | 0.317 | | mg/L | 1.00 | | 31.7 | 15-110 | | | |
| Surrogate: Nitrobenzene-d5 | 0.257 | | mg/L | 0.500 | | 51.4 | 30-130 | | | |

QUALITY CONTROL
TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch B021477 - SW-846 1311
Matrix Spike (B021477-MS1)
Source: 10J0782-01

Prepared: 10/29/10 Analyzed: 11/01/10

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Surrogate: 2-Fluorobiphenyl | 0.295 | | mg/L | 0.500 | | 59.1 | 30-130 | | | |
| Surrogate: 2,4,6-Tribromophenol | 0.698 | | mg/L | 1.00 | | 69.8 | 15-110 | | | |
| Surrogate: Terphenyl-d14 | 0.284 | | mg/L | 0.500 | | 56.9 | 30-130 | | | |

FLAG/QUALIFIER SUMMARY

| | |
|-------|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits established for difficult compound. |
| ‡ | Wide RPD limits established for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| MS-07 | Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated. |
| V-19 | Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. |

CERTIFICATIONS

Certified Analyses included in this Report

| Analyte | Certifications |
|------------------------------|----------------|
| <i>SW-846 8270C in Water</i> | |
| 2,4-Dinitrotoluene | NY,CT |
| Hexachlorobenzene | NY,CT |
| Hexachlorobutadiene | NY,CT |
| Hexachloroethane | NY,CT |
| 2-Methylphenol | NY,CT |
| 3/4-Methylphenol | NY,CT |
| Nitrobenzene | NY,CT |
| Pentachlorophenol | NY,CT |
| Pyridine | NY,CT |
| 2,4,5-Trichlorophenol | NY,CT |
| 2,4,6-Trichlorophenol | NY,CT |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

| Code | Description | Number | Expires |
|------|--|---------------|------------|
| AIHA | American Industrial Hygiene Association | 100033 | 01/1/2012 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2011 |
| CT | Connecticut Department of Public Health | PH-0567 | 09/30/2011 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2011 |
| NH | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2011 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2010 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2010 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2011 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2011 |
| VT | Vermont Department of Health Lead Laboratory | LL015036 | 07/30/2011 |
| WA | State of Washington Department of Ecology | C2065 | 02/23/2011 |

Sample Receipt Checklist
 CLIENT NAME: O'Reilly Talbot RECEIVED BY: PB DATE: 10/19/10

1) Was the chain(s) of custody relinquished and signed?

Yes No

2) Does the chain agree with the samples?

Yes No

If not, explain:

3) Are all the samples in good condition?

Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.8

5) Are there Dissolved samples for the lab to filter?

Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"?

Yes No

Stored where:

7) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored:

P
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____
Containers received at Con-Test

| | # of containers | | # of containers |
|--------------------------------|-----------------|-----------------------|-----------------|
| 1 Liter Amber | | 8 oz amber/clear jar | |
| 500 mL Amber | | 4 oz amber/clear jar | |
| 250 mL Amber (8oz amber) | <u>3</u> | 2 oz amber/clear jar | |
| 1 Liter Plastic | | Other glass jar | |
| 500 mL Plastic | | Plastic Bag / Ziploc | |
| 250 mL plastic | | Air Cassette | |
| 40 mL Vial - type listed below | <u>3</u> | SOC Kit | |
| Colisure / bacteria bottle | | Tubes | |
| Dissolved Oxygen bottle | | Non-ConTest Container | |
| Flashpoint bottle | | Other | |
| Encore | | PM 2.5 / PM 10 | |
| Perchlorate Kit | | PUF Cartridge | |

Laboratory Comments:

 40 mL vials: # HCl _____ # Methanol 1
 # Bisulfate 2 # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

June 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: 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 | <u>Non-Asbestos</u> | | <u>Asbestos</u> |
|--|--------------------------------|---------------------------------------|---------------------|-------------------------|----------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| R.R. COMP 041024241-0001 | RAILROAD TIE COMPOSITE | Brown Fibrous Heterogeneous | 100% Cellulose | 0% Non-fibrous (other) | None Detected |
| SUGGEST TEM | | | | | |
| AREA "D" NORTH COMP 041024241-0002 | AREA "D" COMPOSITE NORTH | Brown Non-Fibrous Heterogeneous | 3% Cellulose | 97% Non-fibrous (other) | None Detected |
| SUGGEST TEM | | | | | |
| AREA "D" 041024241-0003 | SOUTH COMPOSITE | Brown Non-Fibrous Heterogeneous | 3% Cellulose | 97% Non-fibrous (other) | None Detected |
| SUGGEST TEM | | | | | |
| LLSS-35-5' E 041024241-0004 | | Brown Fibrous Heterogeneous | 5% Cellulose | 95% Non-fibrous (other) | None Detected |
| SUGGEST TEM | | | | | |
| LLSS-35-5' W 041024241-0006 | | Brown Fibrous Heterogeneous | 5% Cellulose | 95% Non-fibrous (other) | None Detected |
| SUGGEST TEM | | | | | |

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

Analyst(s)

Nancy Stalter (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.**

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

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

Analyst(s)

Nancy Stalter (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: <u>O'Reilly Talbot & O'Kun</u> | | EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different 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</u> | |
| Project Name/Number: <u>W.R. Grace 2118-01-02</u> | | | |
| Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email | | Purchase Order: _____ U.S. State Samples Taken: <u>MA</u> | |

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) HA # (Bulk) | Date/Time Sampled |
|-----------------------------|--------------------------|----------------------------------|----------------------|
| R.R. Comp | Rail Road Tie Composite | | 10/19/10 11:45 |
| Area "D" North Comp | Area "D" Composite North | | 10/19/10 11:00 |
| Area "D" South Composite | Area "D" Composite South | | 10/19/10 11:10 |
| (See Comments) L4SS-35-5' E | | | 10/19/10 9:45 |
| | L4SS-35-10' E | | |
| | L4SS-35-5' W | | |
| | L4SS-35-10' W | | |

| | | | |
|---|-----------------------|---------------------------|--|
| Client Sample # (s): _____ | | Total # of Samples: _____ | |
| Relinquished (Client): <u>Chris A. Streeter</u> | Date: <u>10/19/10</u> | Time: <u>12:00</u> | |
| Received (Lab): <u>DMB-UPS-10A</u> | Date: <u>10-20-10</u> | Time: _____ | |
| Comments/Special Instructions: <u>Analyze all 5' Samples and any 10' where 5' was positive - only</u> | | | |



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) HA # (Bulk) | Date/Time Sampled |
|--|--------------------|----------------------------------|----------------------|
| | LLSS-35-5' N | | 10/19/10 9:45 |
| | LLSS-35-10' N | | X |
| | 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 | | X X |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| <p>*Comments/Special Instructions:</p> | | | |

SAMPLES ACCEPTED
FOR ANALYSIS BY
EMSL ANALYTICAL INC.

RECEIVED
EMSL
CINNAMINSON, N.J.
10 OCT 20 AM 10:31

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

SURFACE WATER DISPOSAL DOCUMENTS



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC112

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

1 - 13515

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

1. Release Name/Location Aid: **FRM ZONOLITE PLANT**

2. Street Address: **WEMELCO WAY**

3. City/Town: **EASTHAMPTON**

4. Zip Code: **01027-0000**

☒ 5. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site:

☐ a. Tier 1A ☐ b. Tier 1B ☐ c. Tier 1C ☒ d. Tier II

6. If applicable provide the Permit Number: _____

B. THIS FORM IS BEING USED TO: (check one: B1-B4):

☒ 1. Submit a **Bill of Lading (BOL)** to transport Remediation Waste to Temporary Storage or a Receiving Facility.

Response Actions associated with this BOL (check all that apply):

- ☐ a. Immediate Response Action (IRA) ☒ e. Comprehensive Response Actions
☐ b. Release Abatement Measure (RAM) ☐ f. Limited Removal Action (LRA):
(must be retained pursuant to 310 CMR 40.0034(6); can't be submitted via eDEP)
☐ c. Downgradient Property Status (DPS) ☐ g. Other _____
☐ d. Utility Release Abatement Measure (URAM)

☐ 2. Submit an Attestation of Completion of **Shipment to Temporary Storage** (Sections C, F and J are not required):

☐ 3. Submit an Attestation of Completion of **Shipment to a Receiving Facility** (Sections C, F and J are not required):

☐ 4. Certify that Remediation Waste Was **Not Shipped**, and the **Bill of Lading is Void**. (Sections C, D, E, and F are not required)

5. Date Bill of Lading submitted to the Department: _____ b. eDEP Transaction ID: _____
(mm/dd/yyyy)

6. Period of Generation Associated with this Bill of Lading ⁰⁷ **12/06/2010** to **12/7/2010**
(mm/dd/yyyy) (mm/dd/yyyy)

(All sections of this transmittal form must be filled out unless otherwise noted)

The Bill of Lading is not considered complete until the Attestation of Completion of Shipment is received by the Department.

C. DESCRIPTION OF WASTE AND WASTE SOURCE:

1. Contaminated Media /Debris (check all that apply):

- ☐ a. Soil ☐ b. Groundwater ☒ c. Surface Water ☐ d. Sediment ☐ e. Vegetation or Organic Debris
☐ f. Demolition/Construction Waste ☐ g. Inorganic Absorbent Materials ☐ h. Other: _____

2. Uncontainerized Waste (check all that apply):

- ☐ a. Inorganic Absorbent Materials ☐ b. Other: _____



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC112

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

1 - 13515

C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):

3. Containerized Waste (check all that apply):

- ☐ a. Tank Bottoms/Sludges ☐ b. Containers ☐ c. Drums ☐ d. Engineered Impoundments
☐ e. Other:

4. Estimated Quantity: ☐ Tons ☐ Cu. Yds. ☒ Gallons

5. Contaminant Source (check one):

- ☐ a. Transportation Accident ☐ b. Underground Storage Tank ☐ c. Brownfields Redevelopment
☒ d. Other:

6. Type of Contaminant (check all that apply):

- ☐ a. Gasoline ☐ b. Diesel Fuel ☐ c. #2 Fuel Oil ☐ d. #4 Fuel Oil ☐ e. #6 Fuel Oil ☐ f. Jet Fuel
☐ g. Waste Oil ☐ h. Kerosene ☐ i. Chlorinated Solvents ☐ j. Urban Fill ☒ k. Other:

7. Constituents of Concern (check all that apply):

- ☐ a. As ☐ b. Cd ☐ c. Cr ☐ d. Pb ☐ e. Hg ☐ f. EPH/TPH ☐ g. VPH
☐ h. PCBs ☐ i. VOCs ☐ j. SVOCs ☒ k. Other:

8. If applicable, check the box for the Reportable Concentration Category of the site:

- ☒ a. RCS-1 ☐ b. RCS-2 ☒ c. RCGW-1 ☐ d. RCGW-2

9. Remediation Waste Characterization Documentation (check at least one):

- ☒ a. Site History Information ☐ b. Sampling Analytical Methods and Procedures ☐ c. Laboratory Data
☐ d. Field Screening Data ☐ e. Characterization Documentation previously submitted to the Department

i. Date submitted: ii. Type of Documentation:
(mm/dd/yyyy)

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

1. Transporter/Common Carrier Name:
2. Contact First Name: 3. Last Name:
4. Street: 5. Title:
6. City/Town: 7. State: 8. Zip Code:
9. Telephone: 10. Ext: 11. Fax:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC112

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

1 - 13515

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

1. Operator/Facility Name: **EASTHAMPTON WASTE WATER TREATMENT PLANT**

2. Contact First Name: **JIM**

3. Last Name: **GRACIA**

4. Street: **50 PAYSON AVENUE, SUITE 110**

5. Title: **CITY ENGINEER**

6. City/Town: **EASTHAMPTON**

7. State: **MA**

8. Zip Code: **01027-2261**

9. Telephone: **(413) 529-1423**

10. Ext:

11. Fax:

12. Type of Facility: (Check one)

a. Temporary Storage

i. Period of Temporary Storage:

(mm/dd/yyyy)

to

(mm/dd/yyyy)

ii. Reason for Temporary Storage:

☐ b. Asphalt Batch/Hot Mix

☐ c. Landfill/Disposal

☐ d. Landfill/Structural Fill

☐ e. Landfill/Daily Cover

☐ f. Asphalt Batch/Cold Mix

☐ g. Thermal Processing

☐ h. Incinerator

☒ i. Other: **POTW**

13. Division of Hazardous Waste/Class A Permit Number:

14. Division of Solid Waste Permit Number:

15. EPA Identification Number:

F. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief, the assessment action(s) undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: **9908**

2. First Name: **KEVIN J**

3. Last Name: **OREILLY**

4. Telephone: **(413) 788-6222**

5. Ext. **105**

6. FAX: **(413) 788-8830**

7. Signature: 

8. Date: **12/4/10**

(mm/dd/yyyy)

9. LSP Stamp:





Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC112

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

1 - 13515

G. PERSON SUBMITTING BILL OF LADING:

1. Check all that apply: ☐ a. change in contact name ☐ b. Change of address ☒ c. change in person undertaking response actions
2. Name of Organization: Remedium Group, Inc. A Subsidiary of W.R. Grace & Co.
3. Contact First Name: ROBERT 4. Last Name: MEDLER
5. Street: 6401 POPLAR AVENUE, SUITE 301 6. Title: _____
7. City/Town: MEMPHIS 8. State: TN 9. Zip Code: 38118-0000
10. Telephone: (901) 820-2023 11. Ext: _____ 12. Fax: (901) 277-9031

H. RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING:

☐ Check here to change relationship

- ☒ 1. RP or PRP: ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☒ e. Other RP or PRP Specify: NON-SPECIFIED PRP

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c.21E, s.2):

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c.21E, s.5(j))

☐ 4. Any Other person Undertaking Response Actions: Specify Relationship: _____

I. REQUIRED ATTACHMENTS AND SUBMITTALS :

- ☒ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approvals issued by DEP or EPA. If the box is checked, you must attach a statement identifying the applicable provisions thereof.
- ☐ 2. Check here if any non-updatable information provided on this form is incorrect, e. g. property address. Send corrections to BWSC.eDEP@state.ma.us
- ☒ 3. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING :

1. I, Robert J. Medler, attest under the pains and penalties or perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: Robert J. Medler

3. Title: Director

4. For: ROBERT MEDLER

(Name of person or entity recorded in Section H)

5. Date: 12/07/2010

(mm/dd/yyyy)



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC112

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

1 - 13515

J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.) :

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section H.

7. Street:

8. City/Town:

9. State:

10. Zip Code:

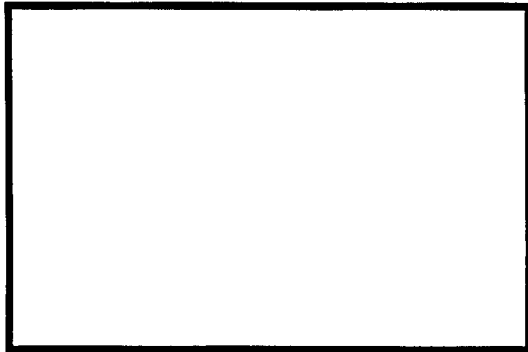
11. Telephone:

12. Ext:

13. Fax:

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (MassDEP USE ONLY):





Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC112B

Release Tracking Number

BILL OF LADING (pursuant to 310 CMR 40.0030)
SUMMARY SHEET SIGNATURE PAGE

1 - 13515

A. ACKNOWLEDGEMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

1. I, Carl Williams, attest under the pains and penalties or perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: Carl Williams 3. Title: Plant Supervisor

4. For: EASTHAMPTON WASTE WATER 5. Date: 12-7-10

(mm/dd/yyyy)

6. Date of Final Shipment associated with this Bill of Lading: 12-7-10
(mm/dd/yyyy)

B. ACKNOWLEDGEMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTIONS ASSOCIATED WITH THIS BILL OF LADING:

1. I, Robert J Medler, attest under the pains and penalties or perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: Robert J Medler 3. Title: Director

4. For: Self 5. Date: 12/07/2010
(Name of person or entity recorded in Section G) (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in BWSC112 Section H.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. Zip Code: _____

11. Telephone: _____ 12. Ext: _____ 13. Fax: _____

☐ 14. Check here if attaching optional supporting documentation such as copies of Load Information Summary Sheets

TOWN OF EASTHAMPTON
SEPTAGE RECEIVING

NO

656

HAULER

NAME

Chris Streeter

ADDRESS

293 Bridge St. Suite 500 Spfld MA 01103

RESIDENCE OF SEPTAGE

NAME

Form 572 2012 NITE

GALLONS

5,500
1,250 (W)
7000 (W)

ADDRESS

RT 10

P.H.

6.6

☐ NEW CONNECTION

☐ VERIFICATION SLIP OF NO CHARGE TO RESIDENT

HAULER SIGNATURE

Chris Streeter

WASTE WATER SIGNATURE

Michael P...

**Site History Information
19 Wemelco Way
Easthampton, Massachusetts
RTN 1-13515**

The property is located at 19 Wemelco Way (Site) on a 2.5 acre parcel of land in a mixed commercial/agricultural portion of Easthampton, Massachusetts. The property is occupied by a one-story, metal building with a slab-on-grade foundation that was formerly used as a processing plant for vermiculite into bagged Zonolite insulation. The remainder of the subject property is occupied by wetlands to the west of the building and a former railroad line to the south, Tennessee Gas Pipe Line easement and heavy vegetative fields to the east, and parking area to the north followed by a Commercial Building. The Site is currently owned by Oldon Limited Partnership. Former vermiculite processing lead to asbestos containing soil on the property which required excavation and capping.

The remedial plan was presented in the Site Specific Work Plan (SSWP) dated September 9, 2010, for the site, is being conducted by O'Reilly, Talbot & Okun Associates, Inc. (OTO), on behalf of W.R. Gracc & Co. (Grace) to meet the requirements for a Site Specific Work Plan in accordance with Appendix D, Section E(3) of the Administrative Order on Consent (AOC) between Grace, Oldon Limited Partnership (Oldon), and USEPA according to CERCLA Docket No. 01-2010-0019. The remedial plan was reviewed and approved by USEPA and MassDEP.

BGL Corporation (BGL) and P.L. Enerserv conducted excavation activities on the Tennessee Gas Pipe Line Easement between November 15 and 19, 2010. Approximately 9000 gallons of surface water from rain events impacted the excavated areas and was temporarily pumped to a tank. The impacted water consisted of fine sands and silts and possible asbestos fibers. We filtered the possibly contaminated water through 25 then 5 micron filters for asbestos filtration prior to off site disposal. As part of an approved remedial plan, pH of the filtered water was measured at 6.6.

Oil Recovery Corporation

PO BOX 1065
West Springfield, MA 01090
413-737-2949
Fax 413-737-6074

Date: 12/7/2010 Dock:
Driver: RAY Lifegate:
Vehicle: T-24 Drums:
Trailer: VTR-1 Tank: YY
Contact: MIKE P/L

Phone:

Cell: 413-246-2419

Fax:

Client:

Job Location: 19 WEMELCO WAY

EASTHAMPTON MA.

EPA ID#

Job Description: PUMP FROM TANK

TRANSPORT TO LOCATION

DETERMIND BY BGL

AT Site 7:30 AM

Job Number: 256001

PO Number:

Coordinator: JG

Contact: RAY

Phone: 413-786-1954

Fax: 413-786-8065

Billing Address: BGL CORPORATION

85 SHOPPING CT

AGAWAM MA. 01001

Called In: 7/3/2010

Arrival Time:

Departure Time:

Hours of Operation

PORTAL 6:30

PORTAL 1200

110

EDR SUR:

P/U Fee:

Fuel & Ins.:

Dem:

Disposal:

Trans:

Haz G:

Haz LB:

Waste:

Total A:

Disposal:

Trans:

Haz G:

Haz LB:

Waste:

Total B:

TSD Facility:

Profile#

85

55

30

20

15

5

TP

TT

Bulk

WATER PORTAL TO PORTAL

LOAD

1

5,500

LOAD

2

1,350

TSD Facility:

Manifest No(s)

Profile#

85

55

30

20

15

5

TP

TT

Bulk

Disposal:

Trans:

Haz G:

Haz LB:

Waste:

Total B:

Materials

Quantity

Cost

Labor

REG.

OT

Mater/Equip.

Quantity

Cost

Sales Tax:

C. TOTAL:

Sales Tax:

D. TOTAL:

Sales Tax:

E. TOTAL:

I, as the authorized agent of the above

mentioned generator/transporter, declare that

the description on the previous invoice is correct.

Finance charge of 1.5% per month on balance over 30 days.

Generator is responsible for any invoices in collection.

A.

B.

C.

D.

E.

Grand Total:

Authorized Agent/Generator's Signature

Title

Date

Form of Payment

COD

Circle One

Cash/Check

CHK#

Visa/MC

EXP. Date:

Dec 7, 10

PO BOX 1063
West Springfield, MA 01090
413-737-2949
Fax 413-737-6074

Job Number: 25637
PO Number: _____
Coordinator: JG
Contact: RAY
Phone: 413-788-1954
Fax: 413-788-9265

Called by: 7/9/70 10

Departure Time: 23

Job Location: 19 WENELCO WAY
EASTHAMPTON MA.

Job Description: PUMP FROM TANK
TRANSPORT TO LOCATION
DETERMINED BY BGL
11054007

PORTAL 700
PORTAL 330
110

[illegible]

| | |
|----|--|
| A. | |
| B. | |
| C. | |
| D. | |
| E. | |

Grand Total:

Date _____

| Form of Payment | COD |
|-----------------|------------|
| Circle One | Cash/Check |
| CHK# | |
| | Visa/MC |
| Exp Date | |

ASBESTOS DISPOSAL DOCUMENTS



3 Barker Drive • Wallingford, CT 06492
(203) 269-8300 • Fax: (203) 269-8600

CT, MA, RI, VT, NH, ME
GENERATORS

EPA New England
1 Congress Street
Boston, MA 02114-2023
(617) 918-1111

E.P.A. AGENCY

NY GENERATORS

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866
(212) 637-3000

371762
159037

EMERGENCY RESPONSE
TELEPHONE
#1-800-750-3460

TK#

ASBESTOS DISPOSAL & DOCUMENTATION FORM

Job Number 10345 P.O. # _____

Contractor Abide, Inc.

Address P.O. Box 886

City East Longmeadow State MA Zip 01028

Telephone Number 413-525-0644

Date Container Del. _____ Date of Pickup _____

Type of Container 100CY

VOLUME 2.5 CY Friable ☒ Non-Friable ☐

MUST BE IN CUBIC YARDS

Bag ☒ 20 Drum ☐ Wrapped ☒ 4 Other ☒

RQ, ASBESTOS, 9, NA2212, PG III

GENERATOR/BUILDING OWNER

Oldon Limited Partnership

Address 19 Wemelco Way

City Easthampton, MA State MA Zip 01027

Phone Number 413-788-6222

GENERATING LOCATION

Former Zonolite Building

Address Same as above

City _____ State _____ Zip _____

Phone Number _____

I certify the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to NESHAP standards for asbestos waste disposal found in 40 CFR part 61.150.

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

AUTHORIZED SIGNATURE

Transporter 1: Abide, Inc. 483 Shaker Rd., East Longmeadow, MA 01028 413-525-0644

Driver: [Signature] Address _____ Telephone # _____

Registration #: MA/118-393 Date: 12/9/10

Acknowledgement of receipt of materials. State / # _____

Transporter 2: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: [Signature] Registration #: 39969A CT Date: 12/15/10

Acknowledgement of receipt of materials. State / # _____

Transporter 3: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: _____ Address _____ Telephone # _____

Registration #: _____ Date: _____

Acknowledgement of receipt of materials. State / # _____

Site ☐ Modern Landfill Site ☒ BFI Imperial Landfill Site ☐ Hakes Landfill Site ☐ _____

Address: 4400 Mount Pisgah Rd. Address: 11 Boggs Road Address: 1376 Manning Ridge Rd. Address: _____

York, PA 17402 Imperial, PA 15126 Painted Post, NY 14870

Phone: 717-246-4615 Phone: 724-695-0900/15175028 Phone: 607-937-6044 Phone: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 12/22/10

COPY 1 - GENERATOR



3 Barker Drive • Wallingford, CT 06492
(203) 269-8300 • Fax: (203) 269-8600

CT, MA, RI, VT, NH, ME
GENERATORS

EPA New England
1 Congress Street
Boston, MA 02114-2023
(617) 918-1111

E.P.A. AGENCY

NY GENERATORS

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866
(212) 637-3000

371762
159038

EMERGENCY RESPONSE
TELEPHONE
#1-800-750-3460

TK# ASBESTOS DISPOSAL & DOCUMENTATION FORM

| | | | |
|--|---|--|-----------------------|
| Job Number <u>10345</u> | P.O. # _____ | GENERATOR/BUILDING OWNER | |
| Contractor <u>Abide, Inc.</u> | | <u>Oldon Limited Partnership</u> | |
| Address <u>P.O. Box 886</u> | | Address <u>19 Wemulco Way</u> | |
| City <u>East Longmeadow</u> State <u>MA</u> Zip <u>01028</u> | | City <u>Easthampton, MA</u> State <u>01027</u> Zip _____ | |
| Telephone Number <u>413-525-0644</u> | | Phone Number <u>413-788-6222</u> | |
| Date Container Del. _____ | Date of Pickup _____ | GENERATING LOCATION | |
| Type of Container <u>100 CY</u> | | <u>Former Zonolite Building</u> | |
| VOLUME <u>4.0</u> CY | Friable <input checked="" type="checkbox"/> Non-Friable <input type="checkbox"/> | Address <u>Same as above</u> | |
| MUST BE IN CUBIC YARDS | | City _____ | State _____ Zip _____ |
| Bag <input checked="" type="checkbox"/> 40 | Drum <input type="checkbox"/> Wrapped <input type="checkbox"/> Other <input type="checkbox"/> | Phone Number _____ | |
| RQ, ASBESTOS, 9, NA2212, PG III | | | |

I certify the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to NESHAP standards for asbestos waste disposal found in 40 CFR part 61.150.

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

AUTHORIZED SIGNATURE

Transporter 1: Abide, Inc. 483 Shaker Rd., East Longmeadow, MA 01028 413-525-0644
 Driver: [Signature] Registration #: MA/N18-393 Date: 12/10/10
 Signature _____ State / # _____
 Acknowledgement of receipt of materials.

Transporter 2: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: [Signature] Registration #: 39969ACT Date: 12/15/10
 Signature _____ State / # _____
 Acknowledgement of receipt of materials.

Transporter 3: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: _____ Registration #: _____ Date: _____
 Signature _____ State / # _____
 Acknowledgement of receipt of materials.

| | | | |
|--|---|---|---------------------------------------|
| Site <input type="checkbox"/> : <u>Modern Landfill</u> | Site <input checked="" type="checkbox"/> : <u>BFI Imperial Landfill</u> | Site <input type="checkbox"/> : <u>Hakes Landfill</u> | Site <input type="checkbox"/> : _____ |
| Address: <u>4400 Mount Pisgah Rd.</u> | Address: <u>11 Boggs Road</u> | Address: <u>4376 Manning Ridge Rd.</u> | Address: _____ |
| <u>York, PA 17402</u> | <u>Imperial, PA 15126</u> | <u>Palmdale, CA 91354</u> | |
| Phone: <u>717-246-4615</u> | Phone: <u>724-695-0900/L15V75028</u> | Phone: <u>607-937-6044</u> | Phone: _____ |

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____

Signature _____

COPY 1 - GENERATOR

Receipt Date 12/22/10



3 Barker Drive • Wallingford, CT 06492
(203) 269-8300 • Fax: (203) 269-8600

CT, MA, RI, VT, NH, ME
GENERATORS

EPA New England
1 Congress Street
Boston, MA 02114-2023
(617) 918-1111

E.P.A. AGENCY

NY GENERATORS

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866
(212) 637-3000

159206

EMERGENCY RESPONSE
TELEPHONE
#1-800-750-3460

TK#

ASBESTOS DISPOSAL & DOCUMENTATION FORM

Job Number 10345 P.O. # _____
Contractor Abide, Inc.
Address P.O. Box 886
City East Longmeadow State MA Zip 01028
Telephone Number 413-525-0644
Date Container Del. _____ Date of Pickup _____
Type of Container 100 yd
VOLUME 8.5 CY Friable ☒ Non-Friable ☒
MUST BE IN CUBIC YARDS
Bag ☒ 107 Drum ☐ Wrapped ☒ 4 Other ☐
RQ, ASBESTOS, 9, NA2212, PG III

GENERATOR/BUILDING OWNER
Oldon Limited Partnership
Address 19 Wetmelco Way
City Easthampton State MA Zip 01027
Phone Number 413-788-6222

GENERATING LOCATION
Former Zonoth Building
Address Same as above
City _____ State _____ Zip _____
Phone Number _____

I certify the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to NESHAP standards for asbestos waste disposal found in 40 CFR part 61.150.

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

AUTHORIZED SIGNATURE Fred LaFortune

Transporter 1: Abide, Inc. 483 Shaker Rd. East Longmeadow, MA 413-525-0644
Name Address Telephone #
Driver: Fred LaFortune Registration #: MA/N18393 Date: 12-16-2010
Signature State / #

Acknowledgement of receipt of materials.

Transporter 2: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: D. Wallum Registration #: 39909A CT Date: 1/16/11
Signature State / #

Acknowledgement of receipt of materials.

Transporter 3: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: _____ Registration #: _____ Date: _____
Name Address Telephone #
Signature State / #

Acknowledgement of receipt of materials.

Site ☐ Modern Landfill Site ☒ BFI Imperial Landfill Site ☐ Hakes Landfill Site ☐ _____
Address: 4400 Mount Pisgah Rd. Address: 11 Boggs Road Address: 4376 Manning Ridge Rd. Address: _____
York, PA 17402 Imperial, PA 15126 Painted Post, NY 14870
Phone: 717-246-4615 Phone: 724-695-0900/L15Y75028 Phone: 607-937-6044 Phone: _____

Certification of receipt of materials covered by this manifest.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

COPY 1 - GENERATOR

Receipt Date 1/18/11



3 Barker Drive • Wallingford, CT 06492
(203) 269-8300 • Fax: (203) 269-8600

CT, MA, RI, VT, NH, ME
GENERATORS

EPA New England
1 Congress Street
Boston, MA 02114-2023
(617) 918-1111

E.P.A. AGENCY

NY GENERATORS

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866
(212) 637-3000

159207

EMERGENCY RESPONSE
TELEPHONE
#1-800-750-3460

TK#

ASBESTOS DISPOSAL & DOCUMENTATION FORM

| | | | |
|--|---|--|--|
| Job Number <u>10345</u> | P.O. # _____ | GENERATOR/BUILDING OWNER | |
| Contractor <u>Abide, Inc.</u> | | <u>Oldon Limited Partnership</u> | |
| Address <u>P.O. Box 886</u> | | Address <u>19 Wemelco Way</u> | |
| City <u>East Longmeadow</u> State <u>MA</u> Zip <u>01028</u> | | City <u>Easthampton</u> State <u>MA</u> Zip <u>01027</u> | |
| Telephone Number <u>413-525-0644</u> | | Phone Number <u>413-788-6222</u> | |
| Date Container Del. _____ | Date of Pickup _____ | GENERATING LOCATION | |
| Type of Container <u>100 CY</u> | | <u>Former Zonolite Building</u> | |
| VOLUME <u>3.0</u> CY | Friable <input checked="" type="checkbox"/> Non-Friable <input checked="" type="checkbox"/> | Address <u>same as above</u> | |
| MUST BE IN CUBIC YARDS | | City _____ State _____ Zip _____ | |
| Bag <input type="checkbox"/> Drum <input type="checkbox"/> Wrapped <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> | | Phone Number _____ | |
| <u>RQ, ASBESTOS, 9, NA2212, PG III</u> | | | |

I certify the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to NESHAP standards for asbestos waste disposal found in 40 CFR part 61.150.

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

AUTHORIZED SIGNATURE Fred LaFortune Fred LaFortune

Transporter 1: Abide, Inc. 483 Shaker Rd. East Longmeadow, MA 413-525-0644

Driver: Fred LaFortune MA/N18393 12-30-2016

Acknowledgement of receipt of materials.

Transporter 2: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: D. Williams 39969A CT 1/16/11

Acknowledgement of receipt of materials.

Transporter 3: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: _____ _____ _____

Acknowledgement of receipt of materials.

| | | | |
|---|--|--|-------------------------------------|
| Site <input type="checkbox"/> Modern Landfill | Site <input checked="" type="checkbox"/> BFI Imperial Landfill | Site <input type="checkbox"/> Hakes Landfill | Site <input type="checkbox"/> _____ |
| Address: <u>4400 Mount Pisgah Rd.</u> | Address: <u>11 Boggs Road</u> | Address: <u>4376 Manning Ridge Rd.</u> | Address: _____ |
| <u>York, PA 17402</u> | <u>Imperial, PA 15126</u> | <u>Painted Post, NY 14870</u> | _____ |
| Phone: <u>717-246-4615</u> | Phone: <u>724-695-0900/L15Y75028</u> | Phone: <u>607-937-6044</u> | Phone: _____ |

Certification of receipt of materials covered by this manifest.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date 1/18/11

COPY 1 - GENERATOR



3 Barker Drive • Wallingford, CT 06492
(203) 269-8300 • Fax: (203) 269-8600

CT, MA, RI, VT, NH, ME
GENERATORS

EPA New England
1 Congress Street
Boston, MA 02114-2023
(617) 918-1111

E.P.A. AGENCY

NY GENERATORS

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866
(212) 637-3000

159042

EMERGENCY RESPONSE
TELEPHONE
#1-800-750-3460

TK#

ASBESTOS DISPOSAL & DOCUMENTATION FORM

Job Number 10345 P.O. # _____
Contractor Abide, Inc.
Address P.O. Box 886
City East Longmeadow State MA Zip 01028
Telephone Number 413-535-0644
Date Container Del. _____ Date of Pickup _____
Type of Container 100 cy
VOLUME 2.0 CY Friable ☒ Non-Friable ☒
MUST BE IN CUBIC YARDS
Bag ☐ Drum ☐ Wrapped ☒ Other ☒
RQ, ASBESTOS, 9, NA2212, PG III

GENERATOR/BUILDING OWNER
Oldon Limited Partnership
Address 19 Wemelco Way
City Easthampton, MA State MA Zip 01027
Phone Number 413-788-6222
GENERATING LOCATION
Former Zonolite Building
Address (Same as above)
City _____ State _____ Zip _____
Phone Number _____

I certify the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to NESHAP standards for asbestos waste disposal found in 40 CFR part 61.150.

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

AUTHORIZED SIGNATURE

Transporter 1: Abide, Inc; 483 Shaker Rd; East Longmeadow, MA 413-535-0644
Name _____ Address _____ Telephone # _____
Driver: [Signature] Registration #: MA/N18-393 Date: 12-21-2010
Signature _____ State / # _____
Acknowledgement of receipt of materials.

Transporter 2: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: [Signature] Registration #: 39949A CT Date: 1/16/11
Signature _____ State / # _____
Acknowledgement of receipt of materials.

Transporter 3: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: _____ Name _____ Address _____ Telephone # _____
Signature _____ Registration #: _____ State / # _____ Date: _____
Acknowledgement of receipt of materials.

Site ☐ Modern Landfill Site ☒ BFI Imperial Landfill Site ☐ Hakes Landfill Site ☐ _____
Address: 4400 Mount Pisgah Rd. Address: 11 Boggs Road Address: 4376 Manning Ridge Rd. Address: _____
York, PA 17402 Imperial, PA 15126 Painted Post, NY 14870
Phone: 717-246-4615 Phone: 724-695-0900/L15Y75028 Phone: 607-937-6044 Phone: _____

Certification of receipt of materials covered by this manifest.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

COPY 1 - GENERATOR

Receipt Date 1/18/11



E.P.A. AGENCY

159045

3 Barker Drive • Wallingford, CT 06492
(203) 269-8300 • Fax: (203) 269-8600

CT, MA, RI, VT, NH, ME
GENERATORS

EPA New England
1 Congress Street
Boston, MA 02114-2023
(617) 918-1111

NY GENERATORS

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866
(212) 637-3000

EMERGENCY RESPONSE
TELEPHONE
#1-800-750-3460

TK#

ASBESTOS DISPOSAL & DOCUMENTATION FORM

Job Number 10345 P.O. # _____
Contractor Abide, Inc.
Address P.O. Box 886
City East Longmeadow State MA Zip 01028
Telephone Number 413-525-0644
Date Container Del. _____ Date of Pickup _____
Type of Container 100 cy
VOLUME 3.0 CY Friable ☒ Non-Friable ☒
MUST BE IN CUBIC YARDS
Bag ☐ Drum ☐ Wrapped ☒ Other ☒
RQ, ASBESTOS, 9, NA2212, PG III 34
guylores

GENERATOR/BUILDING OWNER

Olden Limited Partnership
Address 19 Wemelco Way
City Easthampton, MA State MA Zip 01027
Phone Number 413-788-6222

GENERATING LOCATION

Former Zonolite Building
Address Same as above
City _____ State _____ Zip _____
Phone Number _____

I certify the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to NESHAP standards for asbestos waste disposal found in 40 CFR part 61.150.

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

AUTHORIZED SIGNATURE

Transporter 1: Abide, Inc. 483 Shaker Rd; East Longmeadow, MA 01028 413-525-0644
Name Address Telephone #

Driver: [Signature] Registration #: MA/N18393 Date: 12-22-10
Signature State / #

Acknowledgement of receipt of materials.

Transporter 2: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: [Signature] Registration #: 39969A CT Date: 1/14/11
Signature State / #

Acknowledgement of receipt of materials.

Transporter 3: TransWaste, Inc., 3 Barker Drive, Wallingford, CT 06492 (203) 269-8300

Driver: _____ Registration #: _____ Date: _____
Signature State / #

Acknowledgement of receipt of materials.

Site ☐ Modern Landfill Site ☒ BFI Imperial Landfill Site ☐ Hakes Landfill Site ☐ _____
Address: 4400 Mount Pisgah Rd. Address: 11 Boggs Road Address: 4376 Manning Ridge Rd. Address: _____
York, PA 17402 Imperial, PA 15126 Painted Post, NY 14870
Phone: 717-246-4615 Phone: 724-695-0900/L15Y75028 Phone: 607-937-6044 Phone: _____

Certification of receipt of materials covered by this manifest.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

COPY 1- GENERATOR

Receipt Date 1/18/11