

## **APPENDIX D**

### **OTHER DOCUMENTATION**

**EVERGREEN RECYCLING BEDDING STONE**

3/4" CRUSHED STONE



145 Sherwood Avenue, Farmingdale, NY 11735 (631) 815-1900

Serving the Mid-Atlantic and Northeast Regions for over 30 years  
www.mtgroup.com

Client: Evergreen Recycling  
David Cinquemani  
127-50 Northern Blvd.  
Flushing, NY 11368

Project ID: 201210100  
Weather:  
Temperature:

Date: 08/01/2014  
Report #: 1-140-000156  
Inspector: Christopher Marro  
Time Start:  
Time Finish:

Project: Evergreen Recycling

REPORT: Sieve Analysis

MTG NO: 40477-6  
Test Method: See Below

Page 1 of 1

Material: #57 Blue Stone

<u>Sieve</u>	<u>% Passing</u>	<u>Required</u>
1.00 in	100	95-100
3/4 in	79	
1/2 in	29	25-60
3/8 in	8	
No. 4	1	0-10
No. 8	1	0-5
No. 200	1.1	0-3

Test Method (As Applicable): ASTM D 422, ASTM D 1140

Orig: Evergreen Recycling Attn: David Cinquemani  
(1-ec copy)

Respectfully Submitted,  
MT Group

3/4" CRUSHED STONE.

P. Hessel, Engineer

INSPECTIONS AND TESTS REPORTED HEREIN WERE PERFORMED IN ACCORDANCE WITH INDUSTRY ACCEPTED STANDARDS AND PROCEDURES. FINDINGS ARE LIMITED TO THOSE PORTIONS OF THE WORK INSPECTED AND/OR TESTED AS IDENTIFIED HEREIN. NO REPRESENTATIONS ARE MADE ABOUT THE CONDITION OF OTHER PORTIONS OF THE WORK.

Submitted NO 012.

3/8" STONE



145 Sherwood Avenue, Farmingdale, NY 11735 (631) 815-1900

NYDOB License #:30

AASHTO Accredited

Serving the Mid-Atlantic and Northeast Regions for over 30 years

[www.materials-testing.com](http://www.materials-testing.com)

Client: Evergreen Recycling  
David Cinquemani  
127-50 Northern Blvd.  
Flushing, NY 11368

Project ID: 201210100  
Weather: NA  
Temperature: NA°

Date: 05/21/2013  
Report #: 1-140-000077  
Inspector: Fiona O'Connell

Project: Evergreen Recycling

REPORT: Sieve Analysis

LAB NO: 13530

Test Method: See Below

Page 1 of 1

Material: 3/8 Blue Stone  
Description: Crushed Blue Stone

<u>Sieve</u>	<u>% Passing</u>
1/2 in	100
3/8 in	93
No. 4	24
No. 8	6
No. 16	1

Test Method (As Applicable): ASTM D422, ASTM D 1140

Orig: Evergreen Recycling Attn: David Cinquemani  
(1-ec copy)

Respectfully Submitted,  
MT Group

3/8" STONE

P. Hessel, Engineer

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Summary No 014.





145 Sherwood Avenue, Farmingdale, NY 11735 (631) 815-1900

Serving the Mid-Atlantic and Northeast Regions for over 30 years  
www.mtgroup.com

Client: Evergreen Recycling  
David Cinquemani  
127-50 Northern Blvd.  
Flushing, NY 11368

Project ID: 201210100  
Weather:  
Temperature:

Date: 01/07/2015  
Report #: 1-140-000175  
Inspector: Christopher Marro  
Time Start:  
Time Finish:

Project: Evergreen Recycling

REPORT: Sieve Analysis

MTG NO: 52430-12  
Test Method: See Below

Page 1 of 1

Material: Recycled Stone

<u>Sieve</u>	<u>% Passing</u>	<u>Low</u>	<u>High</u>
1 1/2 in	100		
1.00 in	51		
3/4 in	8		
1/2 in	3		
3/8 in	2		
No. 4	2		
No. 8	2		
No. 200	0.6		

Test Method (As Applicable): ASTM D 422, ASTM D 1140

Orig: Evergreen Recycling Attn: David Cinquemani  
(1-ec copy)

Respectfully Submitted,  
MT Group

  
P. Hessel, Engineer

**EVERGREEN RECYCLING COMMON FILL**

File



145 Sherwood Avenue, Farmingdale, NY 11735 (631) 815-1900

Serving the Mid-Atlantic and Northeast Regions for over 30 years  
www.mtgroup.com

Client: Evergreen Recycling  
David Cinquemani  
127-50 Northern Blvd.  
Flushing, NY 11368

Project ID: 201210100  
Weather:  
Temperature:

Date: 08/01/2014  
Report #: 1-140-000155  
Inspector: Christopher Marro  
Time Start:  
Time Finish:

Project: Evergreen Recycling

REPORT: Sieve Analysis

MTG NO: 40477-5

Test Method: See Below

Page 1 of 1

Material: 50/50 Blend

<u>Sieve</u>	<u>% Passing</u>
1 1/2 in	100
1.00 in	93
3/4 in	87
1/2 in	67
3/8 in	60
1/4 in	48
No. 4	44
No. 8	38
No. 10	37
No. 16	34
No. 30	28
No. 40	24
No. 50	21
No. 100	14
No. 200	11.5

Test Method (As Applicable): ASTM D 422, ASTM D 1140

Orig: Evergreen Recycling Attn: David Cinquemani  
(1-ec copy)

Respectfully Submitted,  
MT Group

P. Hessel, Engineer

INSPECTIONS AND TESTS REPORTED HEREIN WERE PERFORMED IN ACCORDANCE WITH INDUSTRY ACCEPTED STANDARDS AND PROCEDURES. FINDINGS ARE LIMITED TO THOSE PORTIONS OF THE WORK INSPECTED AND/OR TESTED AS IDENTIFIED HEREIN. NO REPRESENTATIONS ARE MADE ABOUT THE CONDITION OF OTHER PORTIONS OF THE WORK.

Summary No 013

**ANALYTICAL RESULTS AND ASSOCIATED LIMITS FOR IMPORTED  
MATERIAL**



*American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: [www.American-Analytical.com](http://www.American-Analytical.com)*

December 02, 2014

Dave Cinquemani  
Evergreen Recycling of Corona  
127-50 Northern Boulevard  
Flushing, NY 11368  
TEL: (718) 205-8038  
FAX (718) 205-8202

RE: EROC General Fill

Order No.: 1411159

Dear Dave Cinquemani:

American Analytical Laboratories, LLC. received 1 sample(s) on 11/24/2014 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at [lbeyer@american-analytical.com](mailto:lbeyer@american-analytical.com).

Sincerely,

Karen Kelly  
QA/QC Manager  
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: [www.American-Analytical.com](http://www.American-Analytical.com)

## Workorder Sample Summary

WO#: 1411159  
02-Dec-14

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**CLIENT:** Evergreen Recycling of Corona  
**Project:** EROC General Fill

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Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1411159-001A	EROC General Fill		11/21/2014 7:00:00 AM	11/24/2014 5:00:00 AM	Soil
1411159-001B	EROC General Fill		11/21/2014 7:00:00 AM	11/24/2014 5:00:00 AM	Soil

# CHAIN OF CUSTODY

56 Toledo Street, Farmingdale NY 11735  
(T) 631-454-6100 (F) 631-454-8027  
[www.american-analytical.com](http://www.american-analytical.com)

## CERTIFICATIONS

NY ELAP - 11418 PA DEP - 68-00573  
NJ DEP - NY050 CT DOH - PH-0205

[illegible]





American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
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Website: www.American-Analytical.com

## Sample Log-In Check List

Client Name: **EROC**

Work Order Number: **1411159**

RcptNo: **1**

Logged by: **Lori Beyer** **11/24/2014 5:00:00 AM**

*Lori Beyer*

Completed By: **Lori Beyer** **11/24/2014 6:19:37 AM**

*Lori Beyer*

Reviewed By: **Karen Kelly** **11/24/2014**

*Karen Kelly*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
2. How was the sample delivered? AAL Lab Courier

### Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐  
4. Shipping container/cooler in good condition? Yes ☒ No ☐  
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒  
No. Seal Date: Signed By:  
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
6. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐  
7. Sample(s) in proper container(s)? Yes ☐ No ☒  
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒  
12. Were any sample containers received broken? Yes ☐ No ☒  
13. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐  
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
15. Is it clear what analyses were requested? Yes ☒ No ☐  
16. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Sample was not collected according to Method 5035A.

### Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
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## Case Narrative

WO#: 1411159  
Date: 12/2/2014

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**CLIENT:** Evergreen Recycling of Corona  
**Project:** EROC General Fill

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A by the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method. Volatile LCS are analyzed with preservatives - HCL/NaHSO<sub>4</sub>/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide/PCB/Herbicide analysis are analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram. Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, SM 4500-SO<sub>3</sub> B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Nitrate-Nitrite, Nitrogen in non-potable water and Reactivity to Sulfide and Reactivity to Cyanide.



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## Case Narrative

WO#: 1411159  
Date: 12/2/2014

---

**CLIENT:** Evergreen Recycling of Corona  
**Project:** EROC General Fill

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The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.



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## Definition Only

WO#: 1411159  
Date: 12/2/2014

### Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports

ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything  $<5\times$  the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

\* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be  $>20\%$ .

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5035A</b>	Analyst: LA		
1,1,1,2-Tetrachloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,1,1-Trichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,1,2,2-Tetrachloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,1,2-Trichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,1-Dichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,1-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,1-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2,3-Trichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2,3-Trichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.1	5.6	Um	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2,4-Trichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2,4-Trimethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2-Dibromo-3-chloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2-Dibromoethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2-Dichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,2-Dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,3,5-Trimethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,3-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,3-dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,4-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
1,4-Dioxane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
2,2-Dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
2-Butanone	ND	5.6	11	U*	µg/Kg-dry	1	11/24/2014 2:48:00 PM
2-Chloroethyl vinyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
2-Chlorotoluene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
2-Hexanone	ND	5.6	11	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
2-Propanol	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
4-Chlorotoluene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
4-Isopropyltoluene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
4-Methyl-2-pentanone	ND	5.6	11	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Acetone	ND	5.6	11	U*	µg/Kg-dry	1	11/24/2014 2:48:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735

Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5035A</b>	Analyst: LA		
Benzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Bromobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Bromochloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Bromodichloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Bromoform	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Bromomethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Carbon disulfide	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Carbon tetrachloride	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Chlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Chlorodifluoromethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Chloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Chloroform	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Chloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
cis-1,3-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Cyclohexane	ND	2.2	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Dibromochloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Dibromomethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Dichlorodifluoromethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Diisopropyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Ethanol	ND	11	22	U*	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Ethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Freon-114	ND	1.1	5.6	U*	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Hexachlorobutadiene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Isopropylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Methyl Acetate	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Methyl tert-butyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Methylene chloride	ND	5.6	11	U*	µg/Kg-dry	1	11/24/2014 2:48:00 PM
n-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
n-Propylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Naphthalene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
o-Xylene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM

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**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5035A</b>	Analyst: <b>LA</b>		
p-Diethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
p-Ethyltoluene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
sec-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Styrene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
t-Butyl alcohol	ND	2.8	5.6	U*	µg/Kg-dry	1	11/24/2014 2:48:00 PM
tert-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Tetrachloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Toluene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
trans-1,3-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Trichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Trichlorofluoromethane	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Vinyl acetate	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Vinyl chloride	ND	1.1	5.6	U	µg/Kg-dry	1	11/24/2014 2:48:00 PM
Surr: 4-Bromofluorobenzene	105	0	50-139		%REC	1	11/24/2014 2:48:00 PM
Surr: Dibromofluoromethane	97.6	0	50-138		%REC	1	11/24/2014 2:48:00 PM
Surr: Toluene-d8	97.1	0	71-120		%REC	1	11/24/2014 2:48:00 PM

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# American Analytical Laboratories, LLC.

Date: 02-Dec-14

ELAP ID : 11418

**CLIENT:** Evergreen Recycling of Corona  
**Lab Order:** 1411159  
**Project:** EROC General Fill  
**Lab ID:** 1411159-001B

**Client Sample ID:** EROC General Fill  
**Collection Date:** 11/21/2014 7:00:00 AM  
**Matrix:** SOIL

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	ND	0.008	0.0125	U	mg/Kg-dry	1	11/25/2014 11:04:47 AM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-T	ND	1.11	3.3	U	µg/Kg-dry	1	12/1/2014 11:28:00 PM
2,4,5-TP	ND	1.11	3.3	U	µg/Kg-dry	1	12/1/2014 11:28:00 PM
2,4-D	ND	1.11	3.3	U	µg/Kg-dry	1	12/1/2014 11:28:00 PM
Dicamba	ND	1.11	3.3	U	µg/Kg-dry	1	12/1/2014 11:28:00 PM
Surr: 2,4-DCAA	220	0	16-152	PS	%REC	1	12/1/2014 11:28:00 PM
Surr: 2,4-DCAA	82.8	0	16-152	P	%REC	1	12/1/2014 11:28:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1221	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1232	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1242	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1248	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1254	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1260	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1262	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Aroclor 1268	ND	11	22	U	µg/Kg-dry	1	11/26/2014 1:18:00 PM
Surr: DCB	25.8	0	12-151		%REC	1	11/26/2014 1:18:00 PM
Surr: DCB	34.5	0	12-151		%REC	1	11/26/2014 1:18:00 PM
Surr: TCX	42.6	0	18-147		%REC	1	11/26/2014 1:18:00 PM
Surr: TCX	51.6	0	18-147		%REC	1	11/26/2014 1:18:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
4,4'-DDE	3.2	1.1	2.7		µg/Kg-dry	1	12/1/2014 12:50:00 PM
4,4'-DDT	4.5	1.1	2.7		µg/Kg-dry	1	12/1/2014 12:50:00 PM
Aldrin	5.3	1.1	2.7	P	µg/Kg-dry	1	12/1/2014 12:50:00 PM
alpha-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
alpha-Chlordane	7.7	6.59	11	J	µg/Kg-dry	1	12/1/2014 12:50:00 PM
beta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Chlorobenzilate	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM

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**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
DBCP	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
delta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Dieldrin	3.0	1.1	2.7	P	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Endosulfan I	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Endosulfan II	4.6	1.1	2.7		µg/Kg-dry	1	12/1/2014 12:50:00 PM
Endosulfan sulfate	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Endrin	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Endrin aldehyde	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Endrin ketone	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
gamma-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
gamma-Chlordane	7.0	6.59	11	J	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Heptachlor	ND	2.2	3.3	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Heptachlor epoxide	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Hexachlorobenzene	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Hexachlorocyclopentadiene	ND	3.3	3.3	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Methoxychlor	ND	1.1	2.7	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Toxaphene	ND	13.7	27	U	µg/Kg-dry	1	12/1/2014 12:50:00 PM
Surr: DCB	26.3	0	16-148		%REC	1	12/1/2014 12:50:00 PM
Surr: DCB	27.8	0	16-148		%REC	1	12/1/2014 12:50:00 PM
Surr: TCX	40.1	0	19-145		%REC	1	12/1/2014 12:50:00 PM
Surr: TCX	35.1	0	19-145		%REC	1	12/1/2014 12:50:00 PM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	10.1	0	1.00		wt%	1	11/26/2014 10:09:15 AM
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	5330	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Antimony	ND	0.22	0.550	U	mg/Kg-dry	1	11/25/2014 9:23:56 AM
Arsenic	2.96	0.22	0.550		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Barium	69.3	0.22	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Beryllium	ND	0.11	0.440	U	mg/Kg-dry	1	11/25/2014 9:23:56 AM
Cadmium	0.198	0.11	0.440	J	mg/Kg-dry	1	11/25/2014 9:23:56 AM
Calcium	2170	0.22	0.550		mg/Kg-dry	1	11/25/2014 9:25:58 AM
Chromium	12.9	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM

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**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Cobalt	ND	0.11	0.440	U	mg/Kg-dry	1	11/25/2014 9:23:56 AM
Copper	31.5	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Iron	1640	0.22	0.440		mg/Kg-dry	1	11/25/2014 9:25:58 AM
Lead	57.4	0.22	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Magnesium	5770	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Manganese	222	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Nickel	11.7	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Potassium	1190	0.22	0.550		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Selenium	ND	0.22	0.550	U	mg/Kg-dry	1	11/25/2014 9:23:56 AM
Silver	ND	0.11	0.440	U	mg/Kg-dry	1	11/25/2014 9:23:56 AM
Sodium	223	0.22	0.550		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Thallium	ND	0.33	0.550	U	mg/Kg-dry	1	11/25/2014 9:23:56 AM
Vanadium	18.1	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
Zinc	76.7	0.11	0.440		mg/Kg-dry	1	11/25/2014 9:23:56 AM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Biphenyl	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
1,2,4-Trichlorobenzene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
1,2-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
1,3-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
1,4-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2,4,5-Trichlorophenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2,4,6-Trichlorophenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2,4-Dichlorophenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2,4-Dimethylphenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2,4-Dinitrophenol	ND	55	550	U*	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2,4-Dinitrotoluene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2,6-Dinitrotoluene	ND	55	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2-Chloronaphthalene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2-Chlorophenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2-Methylnaphthalene	56	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2-Methylphenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
2-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM

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**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>	<b>SW3546</b>	Analyst: <b>MH</b>		
2-Nitrophenol	ND	55	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
3+4-Methylphenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
3,3'-Dichlorobenzidine	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
3-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
4,6-Dinitro-2-methylphenol	ND	55	550	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
4-Bromophenyl phenyl ether	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
4-Chloro-3-methylphenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
4-Chloroaniline	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
4-Chlorophenyl phenyl ether	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
4-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
4-Nitrophenol	ND	55	550	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Acenaphthene	60	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Acenaphthylene	42	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Acetophenone	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Aniline	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Anthracene	130	28	280	Jm	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Atrazine	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Azobenzene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzaldehyde	ND	55	550	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benidine	ND	55	550	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzo(a)anthracene	330	28	280	m	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzo(a)pyrene	290	28	170		µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzo(b)fluoranthene	280	28	280		µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzo(g,h,i)perylene	200	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzo(k)fluoranthene	240	28	280	Jm	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzoic acid	ND	55	550	U*	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Benzyl alcohol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Bis(2-chloroethoxy)methane	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Bis(2-chloroethyl)ether	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Bis(2-chloroisopropyl)ether	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Bis(2-ethylhexyl)phthalate	800	28	280		µg/Kg-dry	1	11/25/2014 3:49:00 PM
Butyl benzyl phthalate	110	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Caprolactam	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM

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**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>	<b>SW3546</b>	Analyst: <b>MH</b>		
Carbazole	60	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Chrysene	360	28	280		µg/Kg-dry	1	11/25/2014 3:49:00 PM
Di-n-butyl phthalate	240	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Di-n-octyl phthalate	ND	55	550	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Dibenzo(a,h)anthracene	56	28	170	Jm	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Dibenzofuran	49	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Diethyl phthalate	31	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Dimethyl phthalate	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Fluoranthene	630	28	280		µg/Kg-dry	1	11/25/2014 3:49:00 PM
Fluorene	60	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Hexachlorobenzene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Hexachlorobutadiene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Hexachlorocyclopentadiene	ND	55	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Hexachloroethane	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Indeno(1,2,3-c,d)pyrene	210	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Isophorone	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
N-Nitrosodi-n-propylamine	ND	28	170	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
N-Nitrosodimethylamine	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
N-Nitrosodiphenylamine	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Naphthalene	91	28	280	J	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Nitrobenzene	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Parathion	ND	55	550	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Pentachlorophenol	ND	55	550	U*	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Phenanthrene	450	28	280		µg/Kg-dry	1	11/25/2014 3:49:00 PM
Phenol	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Pyrene	620	28	280		µg/Kg-dry	1	11/25/2014 3:49:00 PM
Pyridine	ND	28	280	U	µg/Kg-dry	1	11/25/2014 3:49:00 PM
Surr: 2,4,6-Tribromophenol	56.2	0	14-144		%REC	1	11/25/2014 3:49:00 PM
Surr: 2-Fluorobiphenyl	73.4	0	17-129		%REC	1	11/25/2014 3:49:00 PM
Surr: 2-Fluorophenol	68.9	0	21-149		%REC	1	11/25/2014 3:49:00 PM
Surr: 4-Terphenyl-d14	66.0	0	18-134		%REC	1	11/25/2014 3:49:00 PM
Surr: Nitrobenzene-d5	68.2	0	18-125		%REC	1	11/25/2014 3:49:00 PM
Surr: Phenol-d6	70.8	0	20-147		%REC	1	11/25/2014 3:49:00 PM

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**American Analytical Laboratories, LLC.**

Date: 02-Dec-14

**ELAP ID : 11418****CLIENT:** Evergreen Recycling of Corona**Client Sample ID:** EROC General Fill**Lab Order:** 1411159**Collection Date:** 11/21/2014 7:00:00 AM**Project:** EROC General Fill**Matrix:** SOIL**Lab ID:** 1411159-001B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>CYANIDE, TOTAL</b>							Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	0.145	0.06	0.111		mg/Kg-dry	1	11/24/2014 12:15:23 PM
<b>TRIVALENT CHROMIUM</b>							Analyst: <b>PAV</b>
Chromium, Trivalent	12.5	0.1	0.400		mg/Kg-dry	1	12/2/2014 11:23:12 AM
<b>HEXAVALENT CHROMIUM</b>							Analyst: <b>PAV</b>
Chromium, Hexavalent	0.445	0.22	0.556	J	mg/Kg-dry	1	12/1/2014 4:00:00 PM

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	LCS-3021	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5139
Client ID:	LCSS	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98136
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	ND	250		0	0	10	106				U
Atrazine	2200	250	2000	0	110	20	130				
Benzaldehyde	2000	500	2000	0	102	20	130				
Benzidine	ND	500		0	0	1	100				U
Caprolactam	2100	250	2000	0	106	20	130				

Sample ID	1411156-005AMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5139
Client ID:	BatchQC	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98138
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	ND	640		0	0	15	120				U
Atrazine	4000	640	5136	0	78.0	50	120				
Benzaldehyde	5100	1300	5136	0	99.3	20	120				
Benzidine	ND	1300		0	0	1	137				U
Caprolactam	3100	640	5136	0	59.4	20	130				

Sample ID	1411156-005AMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5139
Client ID:	BatchQC	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98139
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	ND	640		0	0	15	120	0	0	20	U
Atrazine	3600	640	5120	0	69.9	50	120	0	200	20	R
Benzaldehyde	4700	1300	5120	0	91.8	20	120	0	200	20	R

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3021

Sample ID	1411156-005AMSD	SampType: MSD	TestCode: 8270_S		Units: µg/Kg-dry		Prep Date: 11/24/2014			RunNo: 5139		
Client ID:	BatchQC	Batch ID: 3021	TestNo: SW8270D		SW3546		Analysis Date: 11/25/2014			SeqNo: 98139		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine		ND	1300		0	0	1	137	0	0	20	U
Caprolactam		2500	640	5120	0	49.2	20	130	0	200	20	R

Sample ID	MB-3021	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5139	
Client ID:	PBS	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98140	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine		ND	250									U
Atrazine		ND	250									U
Benzaldehyde		ND	500									U
Benzidine		ND	500									U
Caprolactam		ND	250									U

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3021

Sample ID	<b>LCS-3021</b>	SampType:	<b>LCS</b>	TestCode:	<b>8270_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5138</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3021</b>	TestNo:	<b>SW8270D</b>	<b>SW3546</b>		Analysis Date:	<b>11/25/2014</b>	SeqNo:	<b>98124</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	1900	250	2000	0	96.6	28	126				
1,2,4-Trichlorobenzene	1800	250	2000	0	89.4	20	126				
1,2-Dichlorobenzene	1900	250	2000	0	93.4	23	128				
1,3-Dichlorobenzene	1800	250	2000	0	91.4	22	121				
1,4-Dichlorobenzene	1800	250	2000	0	92.2	20	128				
2,4,5-Trichlorophenol	ND	250		0	0	23	135				U
2,4,6-Trichlorophenol	1900	250	2000	0	95.7	20	128				
2,4-Dichlorophenol	2000	250	2000	0	97.8	20	125				
2,4-Dimethylphenol	1900	250	2000	0	96.5	16	122				
2,4-Dinitrophenol	380	500	2000	0	18.8	1	112				*
2,4-Dinitrotoluene	1900	250	2000	0	93.4	20	127				
2,6-Dinitrotoluene	1800	250	2000	0	88.5	12	125				
2-Chloronaphthalene	1900	250	2000	0	97.2	21	124				
2-Chlorophenol	2000	250	2000	0	99.2	23	133				
2-Methylnaphthalene	ND	250		0	0	22	120				U
2-Methylphenol	ND	250		0	0	24	130				U
2-Nitroaniline	ND	250		0	0	14	115				U
2-Nitrophenol	2000	250	2000	0	98.1	15	129				
3+4-Methylphenol	ND	250		0	0	18	140				U
3-Nitroaniline	ND	250		0	0	14	120				U
4,6-Dinitro-2-methylphenol	1500	500	2000	0	74.8	10	120				
4-Bromophenyl phenyl ether	2000	250	2000	0	98.2	21	134				
4-Chloro-3-methylphenol	2000	250	2000	0	102	16	132				
4-Chloroaniline	ND	250		0	0	10	101				U
4-Chlorophenyl phenyl ether	1900	250	2000	0	94.8	20	127				
4-Nitroaniline	ND	250		0	0	20	133				U

**Qualifiers:** R RPD outside accepted recovery limits

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Farmingdale, New York 11735  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3021

Sample ID	<b>LCS-3021</b>	SampType:	<b>LCS</b>	TestCode:	<b>8270_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5138</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3021</b>	TestNo:	<b>SW8270D</b>	<b>SW3546</b>		Analysis Date:	<b>11/25/2014</b>	SeqNo:	<b>98124</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	1500	500	2000	0	74.5	5	125				
Acenaphthene	1900	250	2000	0	97.3	14	132				
Acenaphthylene	2000	250	2000	0	97.6	17	130				
Acetophenone	2000	250	2000	0	102	34	129				
Aniline	ND	250		0	0	5	105				U
Anthracene	2100	250	2000	0	103	20	132				
Azobenzene	ND	250		0	0	26	144				U
Benzo(a)anthracene	2200	250	2000	0	109	20	138				
Benzo(a)pyrene	2100	150	2000	0	104	14	130				
Benzo(b)fluoranthene	2000	250	2000	0	98.5	20	130				m
Benzo(g,h,i)perylene	2100	250	2000	0	106	10	142				
Benzo(k)fluoranthene	2200	250	2000	0	108	20	137				
Benzoic acid	ND	500		0	0	1	114				U*
Benzyl alcohol	ND	250		0	0	20	130				U
Bis(2-chloroethoxy)methane	1900	250	2000	0	95.8	19	128				
Bis(2-chloroethyl)ether	2000	250	2000	0	100	20	139				
Bis(2-chloroisopropyl)ether	2000	250	2000	0	101	11	134				
Bis(2-ethylhexyl)phthalate	2500	250	2000	0	125	18	143				
Butyl benzyl phthalate	2400	250	2000	0	120	20	148				
Carbazole	ND	250		0	0	21	135				U
Chrysene	2100	250	2000	0	107	20	136				
Di-n-butyl phthalate	2300	250	2000	0	113	20	141				
Di-n-octyl phthalate	2100	500	2000	0	107	16	142				
Dibenzo(a,h)anthracene	2100	150	2000	0	106	11	140				
Dibenzofuran	ND	250		0	0	21	131				U
Diethyl phthalate	2000	250	2000	0	101	20	138				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Farmingdale, New York 11735  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	LCS-3021	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5138
Client ID:	LCSS	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98124
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethyl phthalate	1900	250	2000	0	96.6	20	130				
Fluoranthene	2100	250	2000	0	104	16	130				
Fluorene	2000	250	2000	0	98.3	20	131				
Hexachlorobenzene	1900	250	2000	0	96.4	20	132				
Hexachlorobutadiene	1800	250	2000	0	90.5	20	126				
Hexachlorocyclopentadiene	1500	250	2000	0	72.6	14	128				
Hexachloroethane	1900	250	2000	0	96.5	20	132				
Indeno(1,2,3-c,d)pyrene	2200	250	2000	0	110	20	137				m
Isophorone	1900	250	2000	0	96.9	20	134				
N-Nitrosodi-n-propylamine	2000	150	2000	0	100	20	142				
N-Nitrosodimethylamine	1800	250	2000	0	90.5	15	138				
N-Nitrosodiphenylamine	1900	250	2000	0	97.1	5	100				
Naphthalene	1900	250	2000	0	95.7	20	131				
Nitrobenzene	1900	250	2000	0	96.3	21	131				
Parathion	ND	500		0	0	21	130				U
Pentachlorophenol	1000	500	2000	0	51.0	10	128				*
Phenanthrene	2000	250	2000	0	99.8	11	133				
Phenol	1900	250	2000	0	97.0	22	132				
Pyrene	2100	250	2000	0	106	11	137				
Pyridine	ND	250		0	0	1	101				U
Surr: 2,4,6-Tribromophenol	1800		2000		89.1	14	144				
Surr: 2-Fluorobiphenyl	840		1000		83.6	17	129				
Surr: 2-Fluorophenol	1700		2000		84.9	21	149				
Surr: 4-Terphenyl-d14	910		1000		91.1	18	134				
Surr: Nitrobenzene-d5	850		1000		84.6	18	125				
Surr: Phenol-d6	1700		2000		85.5	20	147				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	LCS-3021	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5138
Client ID:	LCSS	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98124
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	1411156-005AMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5138
Client ID:	BatchQC	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98126
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	4600	640	5136	0	89.1	20	147				
1,2,4-Trichlorobenzene	4000	640	5136	0	78.8	23	136				
1,2-Dichlorobenzene	4200	640	5136	0	81.3	17	137				
1,3-Dichlorobenzene	3900	640	5136	0	76.3	19	137				
1,4-Dichlorobenzene	4100	640	5136	0	80.2	17	139				
2,4,5-Trichlorophenol	ND	640		0	0	26	138				U
2,4,6-Trichlorophenol	5000	640	5136	0	98.2	21	143				
2,4-Dichlorophenol	4800	640	5136	0	93.0	20	144				
2,4-Dimethylphenol	4600	640	5136	0	88.8	24	139				
2,4-Dinitrophenol	ND	1300	5136	0	0	5	129				SU*
2,4-Dinitrotoluene	3000	640	5136	0	57.7	10	144				
2,6-Dinitrotoluene	2800	640	5136	0	54.1	12	125				
2-Chloronaphthalene	4500	640	5136	0	88.2	25	143				
2-Chlorophenol	4400	640	5136	0	84.9	19	144				
2-Methylnaphthalene	170	640		151.1	0	20	130				J
2-Methylphenol	ND	640		0	0	29	136				U
2-Nitroaniline	ND	640		0	0	25	137				U
2-Nitrophenol	2000	640	5136	0	39.2	13	139				
3+4-Methylphenol	630	640		564.7	0	10	137				J
3-Nitroaniline	ND	640		0	0	20	120				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	1411156-005AMS	SampType: MS	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5138					
Client ID:	BatchQC	Batch ID: 3021	TestNo: SW8270D	SW3546	Analysis Date: 11/25/2014	SeqNo: 98126					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	1000	1300	5136	0	20.4	10	125				J
4-Bromophenyl phenyl ether	4800	640	5136	0	93.0	29	139				
4-Chloro-3-methylphenol	4900	640	5136	0	95.9	25	139				
4-Chloroaniline	ND	640		0	0	18	120				U
4-Chlorophenyl phenyl ether	4700	640	5136	0	92.1	27	136				
4-Nitroaniline	ND	640		0	0	23	130				U
4-Nitrophenol	3700	1300	5136	0	73.0	22	147				
Acenaphthene	4800	640	5136	64.98	92.7	28	133				
Acenaphthylene	4400	640	5136	0	86.3	22	147				
Acetophenone	4600	640	5136	0	90.4	20	135				
Aniline	ND	640		0	0	10	110				U
Anthracene	4400	640	5136	213.7	82.1	24	140				
Azobenzene	ND	640		0	0	20	151				U
Benzo(a)anthracene	4500	640	5136	181.4	84.4	20	144				
Benzo(a)pyrene	3700	390	5136	138.4	69.9	21	143				
Benzo(b)fluoranthene	4300	640	5136	180.8	80.1	20	145				m
Benzo(g,h,i)perylene	3800	640	5136	108.9	71.7	20	143				
Benzo(k)fluoranthene	4100	640	5136	142.0	76.9	20	143				
Benzoic acid	ND	1300		0	0	10	120				U*
Benzyl alcohol	ND	640		0	0	25	125				U
Bis(2-chloroethoxy)methane	3600	640	5136	0	69.6	22	137				
Bis(2-chloroethyl)ether	4200	640	5136	0	80.9	20	143				
Bis(2-chloroisopropyl)ether	4500	640	5136	0	87.3	20	149				
Bis(2-ethylhexyl)phthalate	6400	640	5136	543.9	115	27	146				
Butyl benzyl phthalate	5500	640	5136	73.16	107	20	147				
Carbazole	73	640		0	0	27	120				J

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Farmingdale, New York 11735  
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Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3021

Sample ID	1411156-005AMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5138
Client ID:	BatchQC	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98126
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	4500	640	5136	273.2	82.4	22	142				
Di-n-butyl phthalate	5500	640	5136	0	108	27	145				
Di-n-octyl phthalate	5000	1300	5136	0	97.0	28	145				
Dibenzo(a,h)anthracene	3700	390	5136	0	72.9	23	142				
Dibenzofuran	110	640		79.39	0	21	133				J
Diethyl phthalate	5400	640	5136	0	105	19	136				
Dimethyl phthalate	4300	640	5136	0	83.8	20	137				
Fluoranthene	5200	640	5136	571.9	89.9	20	147				
Fluorene	4900	640	5136	102.2	93.9	20	138				
Hexachlorobenzene	4700	640	5136	0	91.1	20	140				
Hexachlorobutadiene	3900	640	5136	0	76.1	20	136				
Hexachlorocyclopentadiene	ND	640	5136	0	0	4	139				SU
Hexachloroethane	1700	640	5136	0	32.6	13	139				
Indeno(1,2,3-c,d)pyrene	4000	640	5136	109.8	76.1	26	144				m
Isophorone	4200	640	5136	0	82.7	24	145				
N-Nitrosodi-n-propylamine	4500	390	5136	0	87.6	22	146				
N-Nitrosodimethylamine	3000	640	5136	0	57.8	17	134				
N-Nitrosodiphenylamine	4300	640	5136	0	82.8	16	143				
Naphthalene	4600	640	5136	328.7	82.7	13	143				
Nitrobenzene	3100	640	5136	0	60.7	20	138				
Parathion	ND	1300		0	0	21	142				U
Pentachlorophenol	5300	1300	5136	0	104	18	144				*
Phenanthrene	5100	640	5136	414.6	90.4	21	140				
Phenol	4300	640	5136	0	84.4	13	143				
Pyrene	5100	640	5136	506.0	89.1	19	144				
Pyridine	ND	640		0	0	17	120				U

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	1411156-005AMS	SampType: MS	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5138					
Client ID:	BatchQC	Batch ID: 3021	TestNo: SW8270D	SW3546	Analysis Date: 11/25/2014	SeqNo: 98126					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	4400		5136		86.2	14	144				
Surr: 2-Fluorobiphenyl	2000		2568		76.3	17	129				
Surr: 2-Fluorophenol	3600		5136		70.5	21	149				
Surr: 4-Terphenyl-d14	2000		2568		79.1	18	134				
Surr: Nitrobenzene-d5	1400		2568		55.5	18	125				
Surr: Phenol-d6	3400		5136		66.4	20	147				

Sample ID	1411156-005AMSD	SampType: MSD	TestCode: 8270_S		Units: µg/Kg-dry	Prep Date: 11/24/2014			RunNo: 5138		
Client ID:	BatchQC	Batch ID: 3021	TestNo: SW8270D		SW3546	Analysis Date: 11/25/2014			SeqNo: 98127		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	4200	640	5120	0	82.7	20	147	4577	7.76	20	
1,2,4-Trichlorobenzene	3800	640	5120	0	74.0	23	136	4047	6.57	20	
1,2-Dichlorobenzene	3900	640	5120	0	75.4	17	137	4173	7.74	20	
1,3-Dichlorobenzene	3600	640	5120	0	70.9	19	137	3918	7.59	20	
1,4-Dichlorobenzene	3800	640	5120	0	73.8	17	139	4121	8.73	20	U
2,4,5-Trichlorophenol	ND	640		0	0	26	138	0	0	20	
2,4,6-Trichlorophenol	4500	640	5120	0	88.5	21	143	5042	10.7	20	
2,4-Dichlorophenol	4200	640	5120	0	82.2	20	144	4775	12.6	20	
2,4-Dimethylphenol	4100	640	5120	0	79.8	24	139	4561	11.0	20	SU*
2,4-Dinitrophenol	ND	1300	5120	0	0	5	129	0	0	20	
2,4-Dinitrotoluene	2700	640	5120	0	51.8	10	144	2964	11.0	20	
2,6-Dinitrotoluene	2400	640	5120	0	47.8	12	125	2779	12.6	20	
2-Chloronaphthalene	4200	640	5120	0	81.8	25	143	4532	7.85	20	
2-Chlorophenol	4000	640	5120	0	78.0	19	144	4362	8.88	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	1411156-005AMSD	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5138					
Client ID:	BatchQC	Batch ID: 3021	TestNo: SW8270D	SW3546	Analysis Date: 11/25/2014	SeqNo: 98127					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	130	640		151.1	0	20	130	169.7	23.9	20	JR
2-Methylphenol	ND	640		0	0	29	136	0	0	20	U
2-Nitroaniline	ND	640		0	0	25	137	0	0	20	U
2-Nitrophenol	2000	640	5120	0	38.5	13	139	2012	1.96	20	
3+4-Methylphenol	590	640		564.7	0	10	137	626.8	6.05	20	J
3-Nitroaniline	ND	640		0	0	20	120	0	0	20	U
4,6-Dinitro-2-methylphenol	1000	1300	5120	0	20.5	10	125	1049	0.150	20	J
4-Bromophenyl phenyl ether	4400	640	5120	0	85.0	29	139	4779	9.30	20	
4-Chloro-3-methylphenol	4400	640	5120	0	85.2	25	139	4925	12.1	20	
4-Chloroaniline	ND	640		0	0	18	120	0	0	20	U
4-Chlorophenyl phenyl ether	4300	640	5120	0	84.2	27	136	4732	9.28	20	
4-Nitroaniline	ND	640		0	0	23	130	0	0	20	U
4-Nitrophenol	3200	1300	5120	0	62.1	22	147	3749	16.5	20	
Acenaphthene	4400	640	5120	64.98	85.0	28	133	4825	8.87	20	
Acenaphthylene	4000	640	5120	0	79.1	22	147	4431	9.02	20	
Acetophenone	4200	640	5120	0	82.0	20	135	4645	10.1	20	
Aniline	ND	640		0	0	10	110	0	0	20	U
Anthracene	3900	640	5120	213.7	72.9	24	140	4432	11.7	20	
Azobenzene	ND	640		0	0	20	151	0	0	20	U
Benzo(a)anthracene	4100	640	5120	181.4	76.3	20	144	4515	9.89	20	
Benzo(a)pyrene	3300	380	5120	138.4	61.6	21	143	3727	12.3	20	
Benzo(b)fluoranthene	3700	640	5120	180.8	68.0	20	145	4294	15.8	20	m
Benzo(g,h,i)perylene	3400	640	5120	108.9	64.8	20	143	3794	10.1	20	
Benzo(k)fluoranthene	3600	640	5120	142.0	66.8	20	143	4092	13.8	20	
Benzoic acid	ND	1300		0	0	10	120	0	0	20	U*
Benzyl alcohol	ND	640		0	0	25	125	0	0	20	U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	1411156-005AMSD	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5138					
Client ID:	BatchQC	Batch ID: 3021	TestNo: SW8270D	SW3546	Analysis Date: 11/25/2014	SeqNo: 98127					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	3400	640	5120	0	65.7	22	137	3573	6.07	20	
Bis(2-chloroethyl)ether	3800	640	5120	0	74.8	20	143	4154	8.15	20	
Bis(2-chloroisopropyl)ether	4100	640	5120	0	80.7	20	149	4481	8.08	20	
Bis(2-ethylhexyl)phthalate	5800	640	5120	543.9	103	27	146	6444	10.3	20	
Butyl benzyl phthalate	5000	640	5120	73.16	95.9	20	147	5544	10.7	20	
Carbazole	ND	640		0	0	27	120	73.28	200	20	RU
Chrysene	4100	640	5120	273.2	73.9	22	142	4504	10.5	20	
Di-n-butyl phthalate	5000	640	5120	0	96.7	27	145	5548	11.4	20	
Di-n-octyl phthalate	4600	1300	5120	0	88.9	28	145	4979	8.93	20	
Dibenzo(a,h)anthracene	3400	380	5120	0	66.9	23	142	3744	8.82	20	
Dibenzofuran	83	640		79.39	0	21	133	107.5	25.5	20	JR
Diethyl phthalate	4800	640	5120	0	93.7	19	136	5409	12.0	20	
Dimethyl phthalate	3900	640	5120	0	76.2	20	137	4302	9.69	20	
Fluoranthene	4700	640	5120	571.9	80.0	20	147	5189	10.6	20	
Fluorene	4500	640	5120	102.2	85.4	20	138	4927	9.65	20	
Hexachlorobenzene	4300	640	5120	0	84.7	20	140	4677	7.50	20	
Hexachlorobutadiene	3700	640	5120	0	72.7	20	136	3906	4.78	20	
Hexachlorocyclopentadiene	ND	640	5120	0	0	4	139	0	0	20	SU
Hexachloroethane	1500	640	5120	0	29.4	13	139	1672	10.3	20	
Indeno(1,2,3-c,d)pyrene	3600	640	5120	109.8	67.2	26	144	4016	12.3	20	m
Isophorone	3900	640	5120	0	76.0	24	145	4248	8.80	20	
N-Nitrosodi-n-propylamine	4000	380	5120	0	77.5	22	146	4500	12.5	20	
N-Nitrosodimethylamine	2700	640	5120	0	53.5	17	134	2967	7.93	20	
N-Nitrosodiphenylamine	3900	640	5120	0	75.7	16	143	4253	9.25	20	
Naphthalene	4200	640	5120	328.7	76.2	13	143	4576	7.81	20	
Nitrobenzene	2900	640	5120	0	57.5	20	138	3116	5.59	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	1411156-005AMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5138
Client ID:	BatchQC	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98127
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Parathion	ND	1300		0	0	21	142	0	0	20	U
Pentachlorophenol	4300	1300	5120	0	83.8	18	144	5321	21.4	20	R*
Phenanthrene	4600	640	5120	414.6	80.8	21	140	5058	10.5	20	
Phenol	4000	640	5120	0	79.1	13	143	4333	6.76	20	
Pyrene	4500	640	5120	506.0	77.6	19	144	5084	12.7	20	
Pyridine	ND	640		0	0	17	120	0	0	20	U
Surr: 2,4,6-Tribromophenol	3800		5120		74.0	14	144		0	20	
Surr: 2-Fluorobiphenyl	1800		2560		70.4	17	129		0	20	
Surr: 2-Fluorophenol	3300		5120		64.6	21	149		0	20	
Surr: 4-Terphenyl-d14	1800		2560		70.2	18	134		0	20	
Surr: Nitrobenzene-d5	1400		2560		53.3	18	125		0	20	
Surr: Phenol-d6	3000		5120		58.7	20	147		0	20	

Sample ID	MB-3021	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5138
Client ID:	PBS	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98128
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	250									U
1,2,4-Trichlorobenzene	ND	250									U
1,2-Dichlorobenzene	ND	250									U
1,3-Dichlorobenzene	ND	250									U
1,4-Dichlorobenzene	ND	250									U
2,4,5-Trichlorophenol	ND	250									U
2,4,6-Trichlorophenol	ND	250									U
2,4-Dichlorophenol	ND	250									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3021

Sample ID	MB-3021	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5138	
Client ID:	PBS	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98128	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol		ND	250									U
2,4-Dinitrophenol		ND	500									U*
2,4-Dinitrotoluene		ND	250									U
2,6-Dinitrotoluene		ND	250									U
2-Chloronaphthalene		ND	250									U
2-Chlorophenol		ND	250									U
2-Methylnaphthalene		ND	250									U
2-Methylphenol		ND	250									U
2-Nitroaniline		ND	250									U
2-Nitrophenol		ND	250									U
3+4-Methylphenol		ND	250									U
3-Nitroaniline		ND	250									U
4,6-Dinitro-2-methylphenol		ND	500									U
4-Bromophenyl phenyl ether		ND	250									U
4-Chloro-3-methylphenol		ND	250									U
4-Chloroaniline		ND	250									U
4-Chlorophenyl phenyl ether		ND	250									U
4-Nitroaniline		ND	250									U
4-Nitrophenol		ND	500									U
Acenaphthene		ND	250									U
Acenaphthylene		ND	250									U
Acetophenone		ND	250									U
Aniline		ND	250									U
Anthracene		ND	250									U
Azobenzene		ND	250									U
Benzo(a)anthracene		ND	250									U

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3021

Sample ID	MB-3021	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5138						
Client ID:	PBS	Batch ID:	3021	TestNo:	SW8270D		SW3546	Analysis Date:	11/25/2014	SeqNo:	98128						
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val		%RPD	RPDLimit	Qual
Benzo(a)pyrene		ND		150													U
Benzo(b)fluoranthene		ND		250													U
Benzo(g,h,i)perylene		ND		250													U
Benzo(k)fluoranthene		ND		250													U
Benzoic acid		ND		500													U*
Benzyl alcohol		ND		250													U
Bis(2-chloroethoxy)methane		ND		250													U
Bis(2-chloroethyl)ether		ND		250													U
Bis(2-chloroisopropyl)ether		ND		250													U
Bis(2-ethylhexyl)phthalate		ND		250													U
Butyl benzyl phthalate		ND		250													U
Carbazole		ND		250													U
Chrysene		ND		250													U
Di-n-butyl phthalate		ND		250													U
Di-n-octyl phthalate		ND		500													U
Dibenzo(a,h)anthracene		ND		150													U
Dibenzofuran		ND		250													U
Diethyl phthalate		ND		250													U
Dimethyl phthalate		ND		250													U
Fluoranthene		ND		250													U
Fluorene		ND		250													U
Hexachlorobenzene		ND		250													U
Hexachlorobutadiene		ND		250													U
Hexachlorocyclopentadiene		ND		250													U
Hexachloroethane		ND		250													U
Indeno(1,2,3-c,d)pyrene		ND		250													U

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3021

Sample ID	MB-3021	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5138
Client ID:	PBS	Batch ID:	3021	TestNo:	SW8270D	SW3546		Analysis Date:	11/25/2014	SeqNo:	98128
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isophorone	ND	250									U
N-Nitrosodi-n-propylamine	ND	150									U
N-Nitrosodimethylamine	ND	250									U
N-Nitrosodiphenylamine	ND	250									U
Naphthalene	ND	250									U
Nitrobenzene	ND	250									U
Parathion	ND	500									U
Pentachlorophenol	ND	500									U*
Phenanthrene	ND	250									U
Phenol	ND	250									U
Pyrene	ND	250									U
Pyridine	ND	250									U
Surr: 2,4,6-Tribromophenol	2000		2000		101	14	144				
Surr: 2-Fluorobiphenyl	780		1000		77.7	17	129				
Surr: 2-Fluorophenol	1600		2000		79.4	21	149				
Surr: 4-Terphenyl-d14	970		1000		96.5	18	134				
Surr: Nitrobenzene-d5	790		1000		79.3	18	125				
Surr: Phenol-d6	1600		2000		79.5	20	147				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	<b>LCS-3025</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5118</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3025</b>	TestNo:	<b>SW8260C</b>	<b>SW5035A</b>		Analysis Date:	<b>11/24/2014</b>	SeqNo:	<b>96942</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	39	5.0	50.00	0	78.4	40	135				
1,1,1-Trichloroethane	37	5.0	50.00	0	73.8	42	139				
1,1,2,2-Tetrachloroethane	34	5.0	50.00	0	67.3	44	138				
1,1,2-Trichloro-1,2,2-trifluoroethane	44	5.0	50.00	0	87.4	40	135				
1,1,2-Trichloroethane	39	5.0	50.00	0	78.5	43	134				
1,1-Dichloroethane	35	5.0	50.00	0	70.1	41	142				
1,1-Dichloroethene	36	5.0	50.00	0	71.8	33	144				
1,1-Dichloropropene	37	5.0	50.00	0	73.1	40	130				
1,2,3-Trichlorobenzene	42	5.0	50.00	0	83.8	40	140				
1,2,3-Trichloropropane	35	5.0	50.00	0	70.7	40	130				
1,2,4,5-Tetramethylbenzene	46	5.0	50.00	0	92.2	41	125				
1,2,4-Trichlorobenzene	41	5.0	50.00	0	81.9	42	125				
1,2,4-Trimethylbenzene	37	5.0	50.00	0	74.8	40	122				
1,2-Dibromo-3-chloropropane	37	5.0	50.00	0	74.0	40	125				
1,2-Dibromoethane	42	5.0	50.00	0	84.4	42	122				
1,2-Dichlorobenzene	38	5.0	50.00	0	76.0	45	128				
1,2-Dichloroethane	35	5.0	50.00	0	70.1	34	145				
1,2-Dichloropropane	37	5.0	50.00	0	74.4	44	135				
1,3,5-Trimethylbenzene	38	5.0	50.00	0	76.9	40	120				
1,3-Dichlorobenzene	38	5.0	50.00	0	77.0	40	135				
1,3-dichloropropane	39	5.0	50.00	0	77.2	40	120				
1,4-Dichlorobenzene	38	5.0	50.00	0	76.8	42	129				
1,4-Dioxane	41	5.0	50.00	0	81.8	40	120				
2,2-Dichloropropane	36	5.0	50.00	0	72.9	40	120				
2-Butanone	41	10	50.00	0	82.0	30	130				*
2-Chloroethyl vinyl ether	60	5.0	50.00	0	120	30	146				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	<b>LCS-3025</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5118</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3025</b>	TestNo:	<b>SW8260C</b>	<b>SW5035A</b>		Analysis Date:	<b>11/24/2014</b>	SeqNo:	<b>96942</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorotoluene	37	5.0	50.00	0	73.3	40	120				
2-Hexanone	49	10	50.00	0	98.5	30	120				
2-Propanol	38	5.0	50.00	0	75.4	35	120				
4-Chlorotoluene	37	5.0	50.00	0	73.0	40	120				
4-Isopropyltoluene	39	5.0	50.00	0	77.1	35	120				
4-Methyl-2-pentanone	49	10	50.00	0	98.6	40	120				
Acetone	25	10	50.00	0	49.5	30	124				*
Benzene	37	5.0	50.00	0	73.6	46	137				
Bromobenzene	41	5.0	50.00	0	81.2	35	125				
Bromochloromethane	34	5.0	50.00	0	68.3	35	125				
Bromodichloromethane	38	5.0	50.00	0	76.7	44	133				
Bromoform	40	5.0	50.00	0	80.6	39	147				
Bromomethane	29	5.0	50.00	0	58.4	22	140				
Carbon disulfide	41	5.0	50.00	0	82.1	30	120				
Carbon tetrachloride	39	5.0	50.00	0	79.0	40	144				
Chlorobenzene	39	5.0	50.00	0	77.1	45	131				
Chlorodifluoromethane	43	5.0	50.00	0	86.5	40	125				
Chloroethane	40	5.0	50.00	0	79.9	43	147				
Chloroform	37	5.0	50.00	0	73.3	40	138				
Chloromethane	41	5.0	50.00	0	82.6	32	151				
cis-1,2-Dichloroethene	35	5.0	50.00	0	70.3	40	130				
cis-1,3-Dichloropropene	39	5.0	50.00	0	77.4	44	137				
Cyclohexane	38	5.0	50.00	0	76.0	40	130				
Dibromochloromethane	42	5.0	50.00	0	83.7	43	139				
Dibromomethane	39	5.0	50.00	0	78.0	40	125				
Dichlorodifluoromethane	74	5.0	50.00	0	149	35	130				S

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	<b>LCS-3025</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5118</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3025</b>	TestNo:	<b>SW8260C</b>	<b>SW5035A</b>		Analysis Date:	<b>11/24/2014</b>	SeqNo:	<b>96942</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diisopropyl ether	38	5.0	50.00	0	75.4	35	125				
Ethanol	150	20	250.0	0	61.2	40	130				*
Ethylbenzene	38	5.0	50.00	0	75.1	52	138				
Freon-114	62	5.0	50.00	0	124	30	120				S*
Hexachlorobutadiene	40	5.0	50.00	0	79.8	40	125				
Isopropylbenzene	39	5.0	50.00	0	77.5	40	125				
m,p-Xylene	77	10	100.0	0	77.2	40	120				
Methyl Acetate	33	5.0	50.00	0	65.4	40	120				
Methyl tert-butyl ether	42	5.0	50.00	0	84.3	40	120				
Methylene chloride	15	10	50.00	0	29.2	20	120				*
n-Butylbenzene	35	5.0	50.00	0	70.7	35	125				
n-Propylbenzene	37	5.0	50.00	0	74.4	30	120				
Naphthalene	40	5.0	50.00	0	79.5	40	147				
o-Xylene	38	5.0	50.00	0	76.5	40	120				
p-Diethylbenzene	46	5.0	50.00	0	91.2	35	125				
p-Ethyltoluene	46	5.0	50.00	0	92.7	23	125				
sec-Butylbenzene	38	5.0	50.00	0	76.0	40	120				
Styrene	39	5.0	50.00	0	78.8	30	121				m
t-Butyl alcohol	190	5.0	250.0	0	76.7	23	123				*m
tert-Butylbenzene	39	5.0	50.00	0	77.8	41	129				
Tetrachloroethene	54	5.0	50.00	0	108	34	123				
Toluene	38	5.0	50.00	0	76.3	48	135				
trans-1,2-Dichloroethene	38	5.0	50.00	0	76.9	43	137				
trans-1,3-Dichloropropene	40	5.0	50.00	0	79.9	48	135				
Trichloroethene	42	5.0	50.00	0	83.9	44	135				
Trichlorofluoromethane	44	5.0	50.00	0	88.3	52	149				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3025

Sample ID	<b>LCS-3025</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5118</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3025</b>	TestNo:	<b>SW8260C</b>		<b>SW5035A</b>	Analysis Date:	<b>11/24/2014</b>	SeqNo:	<b>96942</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	35	5.0	50.00	0	70.0	44	122				
Vinyl chloride	43	5.0	50.00	0	86.8	49	154				
Surr: 4-Bromofluorobenzene	53		50.00		106	50	139				
Surr: Dibromofluoromethane	50		50.00		99.3	50	139				
Surr: Toluene-d8	49		50.00		97.9	71	120				

Sample ID	<b>MB-3025</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5118</b>
Client ID:	<b>PBS</b>	Batch ID:	<b>3025</b>	TestNo:	<b>SW8260C</b>		<b>SW5035A</b>	Analysis Date:	<b>11/24/2014</b>	SeqNo:	<b>96943</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	MB-3025	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5118		
Client ID:	PBS	Batch ID:	3025	TestNo:	SW8260C		SW5035A	Analysis Date:	11/24/2014	SeqNo:	96943		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene		ND		5.0									U
1,2-Dichloroethane		ND		5.0									U
1,2-Dichloropropane		ND		5.0									U
1,3,5-Trimethylbenzene		ND		5.0									U
1,3-Dichlorobenzene		ND		5.0									U
1,3-dichloropropane		ND		5.0									U
1,4-Dichlorobenzene		ND		5.0									U
1,4-Dioxane		ND		5.0									U
2,2-Dichloropropane		ND		5.0									U
2-Butanone		ND		10									U*
2-Chloroethyl vinyl ether		ND		5.0									U
2-Chlorotoluene		ND		5.0									U
2-Hexanone		ND		10									U
2-Propanol		ND		5.0									U
4-Chlorotoluene		ND		5.0									U
4-Isopropyltoluene		ND		5.0									U
4-Methyl-2-pentanone		ND		10									U
Acetone		ND		10									U*m
Benzene		ND		5.0									U
Bromobenzene		ND		5.0									U
Bromochloromethane		ND		5.0									U
Bromodichloromethane		ND		5.0									U
Bromoform		ND		5.0									U
Bromomethane		ND		5.0									U
Carbon disulfide		ND		5.0									U
Carbon tetrachloride		ND		5.0									U

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	MB-3025	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5118		
Client ID:	PBS	Batch ID:	3025	TestNo:	SW8260C		SW5035A	Analysis Date:	11/24/2014	SeqNo:	96943		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene		ND		5.0									U
Chlorodifluoromethane		ND		5.0									U
Chloroethane		ND		5.0									U
Chloroform		ND		5.0									U
Chloromethane		ND		5.0									U
cis-1,2-Dichloroethene		ND		5.0									U
cis-1,3-Dichloropropene		ND		5.0									U
Cyclohexane		ND		5.0									U
Dibromochloromethane		ND		5.0									U
Dibromomethane		ND		5.0									U
Dichlorodifluoromethane		ND		5.0									U
Diisopropyl ether		ND		5.0									U
Ethanol		ND		20									U*
Ethylbenzene		ND		5.0									U
Freon-114		ND		5.0									U*
Hexachlorobutadiene		ND		5.0									U
Isopropylbenzene		ND		5.0									U
m,p-Xylene		ND		10									U
Methyl Acetate		ND		5.0									U
Methyl tert-butyl ether		ND		5.0									U
Methylene chloride		ND		10									U*
n-Butylbenzene		ND		5.0									U
n-Propylbenzene		ND		5.0									U
Naphthalene		ND		5.0									U
o-Xylene		ND		5.0									U
p-Diethylbenzene		ND		5.0									U

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	MB-3025	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date: 11/24/2014	RunNo: 5118					
Client ID:	PBS	Batch ID: 3025	TestNo: SW8260C	SW5035A	Analysis Date: 11/24/2014	SeqNo: 96943					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U*
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Surr: 4-Bromofluorobenzene	53		50.00		107	50	139				
Surr: Dibromofluoromethane	48		50.00		95.9	50	138				
Surr: Toluene-d8	49		50.00		98.3	71	120				

Sample ID	1411159-001AMS	SampType: MS	TestCode: 8260_S		Units: µg/Kg-dry	Prep Date: 11/24/2014			RunNo: 5118		
Client ID:	EROC General Fill	Batch ID: 3025	TestNo: SW8260C		SW5035A	Analysis Date: 11/24/2014			SeqNo: 96945		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	34	5.4	53.89	0	63.9	20	130				
1,1,1-Trichloroethane	36	5.4	53.89	0	66.6	22	144				
1,1,2,2-Tetrachloroethane	25	5.4	53.89	0	46.1	21	133				
1,1,2-Trichloro-1,2,2-trifluoroethane	42	5.4	53.89	0	77.3	20	130				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	1411159-001AMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5118
Client ID:	EROC General Fill	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96945
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	35	5.4	53.89	0	64.3	24	130				
1,1-Dichloroethane	35	5.4	53.89	0	65.5	29	138				
1,1-Dichloroethene	35	5.4	53.89	0	65.4	25	143				
1,1-Dichloropropene	34	5.4	53.89	0	63.5	20	130				
1,2,3-Trichlorobenzene	16	5.4	53.89	0	29.5	20	130				
1,2,3-Trichloropropane	29	5.4	53.89	0	53.6	20	130				
1,2,4,5-Tetramethylbenzene	28	5.4	53.89	0	52.0	20	130				
1,2,4-Trichlorobenzene	18	5.4	53.89	0	33.4	20	130				
1,2,4-Trimethylbenzene	26	5.4	53.89	0	47.4	20	130				
1,2-Dibromo-3-chloropropane	27	5.4	53.89	0	50.9	20	130				
1,2-Dibromoethane	36	5.4	53.89	0	66.6	20	130				
1,2-Dichlorobenzene	28	5.4	53.89	0	51.6	14	130				
1,2-Dichloroethane	34	5.4	53.89	0	62.8	24	137				
1,2-Dichloropropane	36	5.4	53.89	0	66.5	30	132				
1,3,5-Trimethylbenzene	27	5.4	53.89	0	50.8	20	130				
1,3-Dichlorobenzene	29	5.4	53.89	0	54.1	14	131				
1,3-dichloropropane	35	5.4	53.89	0	64.6	20	130				
1,4-Dichlorobenzene	28	5.4	53.89	0	52.6	19	128				
1,4-Dioxane	39	5.4	53.89	0	72.4	20	130				
2,2-Dichloropropane	36	5.4	53.89	0	65.9	20	130				
2-Butanone	34	11	53.89	0	63.4	20	130				*
2-Chloroethyl vinyl ether	47	5.4	53.89	0	86.8	13	123				
2-Chlorotoluene	27	5.4	53.89	0	49.7	20	130				
2-Hexanone	39	11	53.89	0	73.1	20	130				
2-Propanol	38	5.4	53.89	0	69.6	20	130				
4-Chlorotoluene	26	5.4	53.89	0	48.8	20	130				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Original

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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	1411159-001AMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5118
Client ID:	EROC General Fill	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96945
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	25	5.4	53.89	0	46.2	20	130				
4-Methyl-2-pentanone	42	11	53.89	0	78.4	20	130				
Acetone	20	11	53.89	0	36.2	20	130				*
Benzene	35	5.4	53.89	0	64.9	20	142				
Bromobenzene	31	5.4	53.89	0	57.4	20	130				
Bromochloromethane	32	5.4	53.89	0	60.3	20	130				
Bromodichloromethane	36	5.4	53.89	0	67.1	24	126				
Bromoform	37	5.4	53.89	0	69.0	20	135				
Bromomethane	33	5.4	53.89	0	60.3	21	137				
Carbon disulfide	37	5.4	53.89	0	68.2	20	130				
Carbon tetrachloride	36	5.4	53.89	0	67.6	20	143				
Chlorobenzene	33	5.4	53.89	0	61.3	21	129				
Chlorodifluoromethane	42	5.4	53.89	0	77.4	20	130				
Chloroethane	40	5.4	53.89	0	75.0	25	147				
Chloroform	36	5.4	53.89	0	66.0	34	133				
Chloromethane	38	5.4	53.89	0	70.1	30	148				
cis-1,2-Dichloroethene	34	5.4	53.89	0	62.8	20	130				
cis-1,3-Dichloropropene	36	5.4	53.89	0	66.3	20	130				
Cyclohexane	33	5.4	53.89	0	60.6	20	130				
Dibromochloromethane	37	5.4	53.89	0	68.3	20	130				
Dibromomethane	36	5.4	53.89	0	67.5	20	130				
Dichlorodifluoromethane	70	5.4	53.89	0	130	20	130				S
Diisopropyl ether	37	5.4	53.89	0	69.5	20	130				
Ethanol	150	22	269.5	0	54.5	20	130				*
Ethylbenzene	32	5.4	53.89	0	58.5	20	130				
Freon-114	63	5.4	53.89	0	116	20	130				*

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Original

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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	1411159-001AMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5118
Client ID:	EROC General Fill	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96945
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	17	5.4	53.89	0	31.4	20	130				
Isopropylbenzene	30	5.4	53.89	0	54.8	20	130				
m,p-Xylene	63	11	107.8	0	58.8	20	130				
Methyl Acetate	66	5.4	53.89	0	122	20	130				
Methyl tert-butyl ether	40	5.4	53.89	0	74.5	20	130				
Methylene chloride	15	11	53.89	0	27.8	20	130				*
n-Butylbenzene	24	5.4	53.89	0	44.6	20	130				
n-Propylbenzene	27	5.4	53.89	0	49.7	20	130				
Naphthalene	18	5.4	53.89	0	33.0	20	130				
o-Xylene	31	5.4	53.89	0	57.5	20	130				
p-Diethylbenzene	32	5.4	53.89	0	59.4	20	130				
p-Ethyltoluene	33	5.4	53.89	0	62.0	20	130				
sec-Butylbenzene	24	5.4	53.89	0	45.4	20	130				
Styrene	30	5.4	53.89	0	56.1	20	130				m
t-Butyl alcohol	130	5.4	269.5	0	50.1	20	130				*
tert-Butylbenzene	27	5.4	53.89	0	49.6	20	130				
Tetrachloroethene	58	5.4	53.89	0	108	20	120				
Toluene	35	5.4	53.89	0	64.2	21	142				
trans-1,2-Dichloroethene	37	5.4	53.89	0	68.3	28	132				
trans-1,3-Dichloropropene	34	5.4	53.89	0	63.6	20	130				
Trichloroethene	45	5.4	53.89	0	82.7	22	147				
Trichlorofluoromethane	44	5.4	53.89	0	82.4	42	149				
Vinyl acetate	7.4	5.4	53.89	0	13.8	20	130				S
Vinyl chloride	40	5.4	53.89	0	74.6	35	152				
Surr: 4-Bromofluorobenzene	54		53.89		101	50	139				
Surr: Dibromofluoromethane	52		53.89		96.7	50	138				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Original

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3025

Sample ID	1411159-001AMS	SampType: MS	TestCode: 8260_S	Units: µg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5118					
Client ID:	EROC General Fill	Batch ID: 3025	TestNo: SW8260C	SW5035A	Analysis Date: 11/24/2014	SeqNo: 96945					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	53		53.89		98.1	71	120				

Sample ID	1411159-001AMSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5118					
Client ID:	EROC General Fill	Batch ID: 3025	TestNo: SW8260C	SW5035A	Analysis Date: 11/24/2014	SeqNo: 96946					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	25	5.4	54.21	0	46.3	20	130	34.42	31.3	20	R
1,1,1-Trichloroethane	27	5.4	54.21	0	49.2	22	144	35.89	29.4	20	R
1,1,2,2-Tetrachloroethane	16	5.4	54.21	0	29.9	21	133	24.82	42.0	20	R
1,1,2-Trichloro-1,2,2-trifluoroethane	29	5.4	54.21	0	52.6	20	130	41.65	37.4	20	R
1,1,2-Trichloroethane	27	5.4	54.21	0	49.8	24	130	34.66	24.8	20	R
1,1-Dichloroethane	29	5.4	54.21	0	53.1	29	138	35.28	20.2	20	R
1,1-Dichloroethene	27	5.4	54.21	0	49.6	25	143	35.22	26.8	20	R
1,1-Dichloropropene	24	5.4	54.21	0	44.0	20	130	34.20	35.7	20	R
1,2,3-Trichlorobenzene	10	5.4	54.21	0	18.9	20	130	15.91	43.2	20	RS
1,2,3-Trichloropropane	23	5.4	54.21	0	43.0	20	130	28.90	21.5	20	R
1,2,4,5-Tetramethylbenzene	18	5.4	54.21	0	32.8	20	130	28.00	44.5	20	R
1,2,4-Trichlorobenzene	11	5.4	54.21	0	20.8	20	130	18.00	45.9	20	R
1,2,4-Trimethylbenzene	17	5.4	54.21	0	31.7	20	130	25.52	38.9	20	R
1,2-Dibromo-3-chloropropane	20	5.4	54.21	0	37.7	20	130	27.44	29.3	20	R
1,2-Dibromoethane	27	5.4	54.21	0	49.4	20	130	35.88	29.0	20	R
1,2-Dichlorobenzene	18	5.4	54.21	0	32.8	14	130	27.81	43.9	20	R
1,2-Dichloroethane	28	5.4	54.21	0	52.0	24	137	33.83	18.2	20	
1,2-Dichloropropane	28	5.4	54.21	0	51.6	30	132	35.84	24.7	20	R
1,3,5-Trimethylbenzene	19	5.4	54.21	0	34.3	20	130	27.36	38.3	20	R

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	1411159-001AMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5118
Client ID:	EROC General Fill	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96946
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	18	5.4	54.21	0	33.3	14	131	29.17	47.2	20	R
1,3-dichloropropane	27	5.4	54.21	0	49.5	20	130	34.80	25.9	20	R
1,4-Dichlorobenzene	18	5.4	54.21	0	33.2	19	128	28.33	44.6	20	R
1,4-Dioxane	28	5.4	54.21	0	52.1	20	130	39.03	32.1	20	R
2,2-Dichloropropane	27	5.4	54.21	0	50.0	20	130	35.54	26.9	20	R
2-Butanone	30	11	54.21	0	55.3	20	130	34.15	13.0	20	*
2-Chloroethyl vinyl ether	38	5.4	54.21	0	70.1	13	123	46.77	20.7	20	R
2-Chlorotoluene	18	5.4	54.21	0	33.6	20	130	26.76	38.0	20	R
2-Hexanone	32	11	54.21	0	59.0	20	130	39.38	20.7	20	R
2-Propanol	32	5.4	54.21	0	58.9	20	130	37.53	16.1	20	
4-Chlorotoluene	18	5.4	54.21	0	32.7	20	130	26.32	39.0	20	R
4-Isopropyltoluene	16	5.4	54.21	0	29.8	20	130	24.89	42.5	20	R
4-Methyl-2-pentanone	36	11	54.21	0	66.6	20	130	42.23	15.7	20	
Acetone	18	11	54.21	0	33.1	20	130	19.52	8.42	20	*
Benzene	27	5.4	54.21	0	50.4	20	142	35.00	24.7	20	R
Bromobenzene	22	5.4	54.21	0	39.8	20	130	30.93	35.6	20	R
Bromochloromethane	26	5.4	54.21	0	48.5	20	130	32.49	21.1	20	R
Bromodichloromethane	28	5.4	54.21	0	52.2	24	126	36.14	24.3	20	R
Bromoform	27	5.4	54.21	0	49.4	20	135	37.19	32.6	20	R
Bromomethane	31	5.4	54.21	0	56.4	21	137	32.52	6.10	20	
Carbon disulfide	25	5.4	54.21	0	47.0	20	130	36.74	36.3	20	R
Carbon tetrachloride	26	5.4	54.21	0	48.1	20	143	36.42	33.0	20	R
Chlorobenzene	23	5.4	54.21	0	42.6	21	129	33.06	35.4	20	R
Chlorodifluoromethane	37	5.4	54.21	0	68.0	20	130	41.72	12.4	20	
Chloroethane	35	5.4	54.21	0	65.1	25	147	40.40	13.4	20	
Chloroform	29	5.4	54.21	0	52.9	34	133	35.58	21.5	20	R

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	1411159-001AMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5118
Client ID:	EROC General Fill	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96946
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	36	5.4	54.21	0	66.2	30	148	37.78	5.08	20	
cis-1,2-Dichloroethene	27	5.4	54.21	0	49.5	20	130	33.84	23.2	20	R
cis-1,3-Dichloropropene	26	5.4	54.21	0	48.4	20	130	35.72	30.6	20	R
Cyclohexane	22	5.4	54.21	0	40.4	20	130	32.66	39.5	20	R
Dibromochloromethane	27	5.4	54.21	0	50.0	20	130	36.82	30.4	20	R
Dibromomethane	29	5.4	54.21	0	52.7	20	130	36.40	24.0	20	R
Dichlorodifluoromethane	56	5.4	54.21	0	103	20	130	70.32	22.5	20	R
Diisopropyl ether	32	5.4	54.21	0	58.8	20	130	37.47	16.1	20	
Ethanol	130	22	271.0	0	48.2	20	130	146.8	11.7	20	*
Ethylbenzene	22	5.4	54.21	0	40.0	20	130	31.52	37.1	20	R
Freon-114	45	5.4	54.21	0	82.6	20	130	62.61	33.2	20	R*
Hexachlorobutadiene	8.8	5.4	54.21	0	16.3	20	130	16.90	62.6	20	RS
Isopropylbenzene	20	5.4	54.21	0	36.4	20	130	29.52	39.8	20	R
m,p-Xylene	43	11	108.4	0	39.7	20	130	63.43	38.3	20	R
Methyl Acetate	66	5.4	54.21	0	122	20	130	65.65	0.764	20	
Methyl tert-butyl ether	35	5.4	54.21	0	64.6	20	130	40.15	13.6	20	
Methylene chloride	14	11	54.21	0	24.9	20	130	14.97	10.2	20	*
n-Butylbenzene	14	5.4	54.21	0	26.4	20	130	24.06	50.9	20	R
n-Propylbenzene	18	5.4	54.21	0	32.5	20	130	26.80	41.3	20	R
Naphthalene	11	5.4	54.21	0	19.6	20	130	17.76	50.4	20	RS
o-Xylene	21	5.4	54.21	0	39.6	20	130	30.98	36.2	20	R
p-Diethylbenzene	20	5.4	54.21	0	37.4	20	130	32.01	45.0	20	R
p-Ethyltoluene	22	5.4	54.21	0	41.2	20	130	33.40	39.7	20	R
sec-Butylbenzene	16	5.4	54.21	0	28.8	20	130	24.48	44.1	20	R
Styrene	21	5.4	54.21	0	39.3	20	130	30.24	34.7	20	Rm
t-Butyl alcohol	130	5.4	271.0	0	46.6	20	130	135.0	6.58	20	*

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3025

Sample ID	1411159-001AMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5118
Client ID:	EROC General Fill	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96946
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	18	5.4	54.21	0	32.9	20	130	26.71	40.0	20	R
Tetrachloroethene	40	5.4	54.21	0	73.8	20	120	58.21	37.1	20	R
Toluene	25	5.4	54.21	0	45.4	21	142	34.58	33.7	20	R
trans-1,2-Dichloroethene	28	5.4	54.21	0	50.8	28	132	36.83	28.9	20	R
trans-1,3-Dichloropropene	25	5.4	54.21	0	46.8	20	130	34.27	29.8	20	R
Trichloroethene	34	5.4	54.21	0	62.8	22	147	44.56	26.7	20	R
Trichlorofluoromethane	32	5.4	54.21	0	59.8	42	149	44.43	31.3	20	R
Vinyl acetate	5.2	5.4	54.21	0	9.52	20	130	7.437	36.1	20	JRS
Vinyl chloride	35	5.4	54.21	0	65.0	35	152	40.20	13.2	20	
Surr: 4-Bromofluorobenzene	56		54.21		104	50	139		0	20	
Surr: Dibromofluoromethane	54		54.21		98.8	50	138		0	20	
Surr: Toluene-d8	52		54.21		96.4	71	120		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	<b>LCS-3025</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5091</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3025</b>	TestNo:	<b>SW8260C</b>	<b>SW5035A</b>		Analysis Date:	<b>11/24/2014</b>	SeqNo:	<b>96912</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	39	5.0	50.00	0	78.4	40	135				
1,1,1-Trichloroethane	37	5.0	50.00	0	73.8	42	139				
1,1,2,2-Tetrachloroethane	34	5.0	50.00	0	67.3	44	138				
1,1,2-Trichloro-1,2,2-trifluoroethane	44	5.0	50.00	0	87.4	40	135				
1,1,2-Trichloroethane	39	5.0	50.00	0	78.5	43	134				
1,1-Dichloroethane	35	5.0	50.00	0	70.1	41	142				
1,1-Dichloroethene	36	5.0	50.00	0	71.8	33	144				
1,1-Dichloropropene	37	5.0	50.00	0	73.1	40	130				
1,2,3-Trichlorobenzene	42	5.0	50.00	0	83.8	40	140				
1,2,3-Trichloropropane	35	5.0	50.00	0	70.7	40	130				
1,2,4,5-Tetramethylbenzene	46	5.0	50.00	0	92.2	41	125				
1,2,4-Trichlorobenzene	41	5.0	50.00	0	81.9	42	125				
1,2,4-Trimethylbenzene	37	5.0	50.00	0	74.8	40	122				
1,2-Dibromo-3-chloropropane	37	5.0	50.00	0	74.0	40	125				
1,2-Dibromoethane	42	5.0	50.00	0	84.4	42	122				
1,2-Dichlorobenzene	38	5.0	50.00	0	76.0	45	128				
1,2-Dichloroethane	35	5.0	50.00	0	70.1	34	145				
1,2-Dichloropropane	37	5.0	50.00	0	74.4	44	135				
1,3,5-Trimethylbenzene	38	5.0	50.00	0	76.9	40	120				
1,3-Dichlorobenzene	38	5.0	50.00	0	77.0	40	135				
1,3-dichloropropane	39	5.0	50.00	0	77.2	40	120				
1,4-Dichlorobenzene	38	5.0	50.00	0	76.8	42	129				
1,4-Dioxane	41	5.0	50.00	0	81.8	40	120				
2,2-Dichloropropane	36	5.0	50.00	0	72.9	40	120				
2-Butanone	41	10	50.00	0	82.0	30	130				*
2-Chloroethyl vinyl ether	60	5.0	50.00	0	120	30	146				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3025

Sample ID	LCS-3025	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5091
Client ID:	LCSS	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96912
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorotoluene	37	5.0	50.00	0	73.3	40	120				
2-Hexanone	49	10	50.00	0	98.5	30	120				
2-Propanol	38	5.0	50.00	0	75.4	35	120				
4-Chlorotoluene	37	5.0	50.00	0	73.0	40	120				
4-Isopropyltoluene	39	5.0	50.00	0	77.1	35	120				
4-Methyl-2-pentanone	49	10	50.00	0	98.6	40	120				
Acetone	25	10	50.00	0	49.5	30	124				*
Benzene	37	5.0	50.00	0	73.6	46	137				
Bromobenzene	41	5.0	50.00	0	81.2	35	125				
Bromochloromethane	34	5.0	50.00	0	68.3	35	125				
Bromodichloromethane	38	5.0	50.00	0	76.7	44	133				
Bromoform	40	5.0	50.00	0	80.6	39	147				
Bromomethane	29	5.0	50.00	0	58.4	22	140				
Carbon disulfide	41	5.0	50.00	0	82.1	30	120				
Carbon tetrachloride	39	5.0	50.00	0	79.0	40	144				
Chlorobenzene	39	5.0	50.00	0	77.1	45	131				
Chlorodifluoromethane	43	5.0	50.00	0	86.5	40	125				
Chloroethane	40	5.0	50.00	0	79.9	43	147				
Chloroform	37	5.0	50.00	0	73.3	40	138				
Chloromethane	41	5.0	50.00	0	82.6	32	151				
cis-1,2-Dichloroethene	35	5.0	50.00	0	70.3	40	130				
cis-1,3-Dichloropropene	39	5.0	50.00	0	77.4	44	137				
Cyclohexane	38	5.0	50.00	0	76.0	40	130				
Dibromochloromethane	42	5.0	50.00	0	83.7	43	139				
Dibromomethane	39	5.0	50.00	0	78.0	40	125				
Dichlorodifluoromethane	74	5.0	50.00	0	149	35	130				S

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	<b>LCS-3025</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>11/24/2014</b>	RunNo:	<b>5091</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3025</b>	TestNo:	<b>SW8260C</b>	<b>SW5035A</b>		Analysis Date:	<b>11/24/2014</b>	SeqNo:	<b>96912</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diisopropyl ether	38	5.0	50.00	0	75.4	35	125				
Ethanol	150	20	250.0	0	61.2	40	130				*
Ethylbenzene	38	5.0	50.00	0	75.1	52	138				
Freon-114	62	5.0	50.00	0	124	30	120				S*
Hexachlorobutadiene	40	5.0	50.00	0	79.8	40	125				
Isopropylbenzene	39	5.0	50.00	0	77.5	40	125				
m,p-Xylene	77	10	100.0	0	77.2	40	120				
Methyl Acetate	33	5.0	50.00	0	65.4	40	120				
Methyl tert-butyl ether	42	5.0	50.00	0	84.3	40	120				
Methylene chloride	15	10	50.00	0	29.2	20	120				*
n-Butylbenzene	35	5.0	50.00	0	70.7	35	125				
n-Propylbenzene	37	5.0	50.00	0	74.4	30	120				
Naphthalene	40	5.0	50.00	0	79.5	40	147				
o-Xylene	38	5.0	50.00	0	76.5	40	120				
p-Diethylbenzene	46	5.0	50.00	0	91.2	35	125				
p-Ethyltoluene	46	5.0	50.00	0	92.7	23	125				
sec-Butylbenzene	38	5.0	50.00	0	76.0	40	120				
Styrene	39	5.0	50.00	0	78.8	30	121				m
t-Butyl alcohol	190	5.0	250.0	0	76.7	23	123				*m
tert-Butylbenzene	39	5.0	50.00	0	77.8	41	129				
Tetrachloroethene	54	5.0	50.00	0	108	34	123				
Toluene	38	5.0	50.00	0	76.3	48	135				
trans-1,2-Dichloroethene	38	5.0	50.00	0	76.9	43	137				
trans-1,3-Dichloropropene	40	5.0	50.00	0	79.9	48	135				
Trichloroethene	42	5.0	50.00	0	83.9	44	135				
Trichlorofluoromethane	44	5.0	50.00	0	88.3	52	149				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3025

Sample ID	LCS-3025	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 11/24/2014	RunNo: 5091					
Client ID: LCSS	Batch ID: 3025	TestNo: SW8260C	SW5035A	Analysis Date: 11/24/2014	SeqNo: 96912						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	35	5.0	50.00	0	70.0	44	122				
Vinyl chloride	43	5.0	50.00	0	86.8	49	154				
Surr: 4-Bromofluorobenzene	53		50.00		106	50	139				
Surr: Dibromofluoromethane	50		50.00		99.3	50	139				
Surr: Toluene-d8	49		50.00		97.9	71	120				

Sample ID	MB-3025	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5091	
Client ID:	PBS	Batch ID:	3025	TestNo:	SW8260C	SW5035A		Analysis Date:	11/24/2014	SeqNo:	96913	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									U
1,1,1-Trichloroethane		ND	5.0									U
1,1,2,2-Tetrachloroethane		ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	5.0									U
1,1,2-Trichloroethane		ND	5.0									U
1,1-Dichloroethane		ND	5.0									U
1,1-Dichloroethene		ND	5.0									U
1,1-Dichloropropene		ND	5.0									U
1,2,3-Trichlorobenzene		ND	5.0									U
1,2,3-Trichloropropane		ND	5.0									U
1,2,4,5-Tetramethylbenzene		ND	5.0									U
1,2,4-Trichlorobenzene		ND	5.0									U
1,2,4-Trimethylbenzene		ND	5.0									U
1,2-Dibromo-3-chloropropane		ND	5.0									U
1,2-Dibromoethane		ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Farmingdale, New York 11735  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	MB-3025	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5091		
Client ID:	PBS	Batch ID:	3025	TestNo:	SW8260C		SW5035A	Analysis Date:	11/24/2014	SeqNo:	96913		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene		ND		5.0									U
1,2-Dichloroethane		ND		5.0									U
1,2-Dichloropropane		ND		5.0									U
1,3,5-Trimethylbenzene		ND		5.0									U
1,3-Dichlorobenzene		ND		5.0									U
1,3-dichloropropane		ND		5.0									U
1,4-Dichlorobenzene		ND		5.0									U
1,4-Dioxane		ND		5.0									U
2,2-Dichloropropane		ND		5.0									U
2-Butanone		ND		10									U*
2-Chloroethyl vinyl ether		ND		5.0									U
2-Chlorotoluene		ND		5.0									U
2-Hexanone		ND		10									U
2-Propanol		ND		5.0									U
4-Chlorotoluene		ND		5.0									U
4-Isopropyltoluene		ND		5.0									U
4-Methyl-2-pentanone		ND		10									U
Acetone		ND		10									U*m
Benzene		ND		5.0									U
Bromobenzene		ND		5.0									U
Bromochloromethane		ND		5.0									U
Bromodichloromethane		ND		5.0									U
Bromoform		ND		5.0									U
Bromomethane		ND		5.0									U
Carbon disulfide		ND		5.0									U
Carbon tetrachloride		ND		5.0									U

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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	MB-3025	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	11/24/2014	RunNo:	5091			
Client ID:	PBS	Batch ID:	3025	TestNo:	SW8260C		SW5035A	Analysis Date:	11/24/2014	SeqNo:	96913			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene		ND		5.0										U
Chlorodifluoromethane		ND		5.0										U
Chloroethane		ND		5.0										U
Chloroform		ND		5.0										U
Chloromethane		ND		5.0										U
cis-1,2-Dichloroethene		ND		5.0										U
cis-1,3-Dichloropropene		ND		5.0										U
Cyclohexane		ND		5.0										U
Dibromochloromethane		ND		5.0										U
Dibromomethane		ND		5.0										U
Dichlorodifluoromethane		ND		5.0										U
Diisopropyl ether		ND		5.0										U
Ethanol		ND		20										U*
Ethylbenzene		ND		5.0										U
Freon-114		ND		5.0										U*
Hexachlorobutadiene		ND		5.0										U
Isopropylbenzene		ND		5.0										U
m,p-Xylene		ND		10										U
Methyl Acetate		ND		5.0										U
Methyl tert-butyl ether		ND		5.0										U
Methylene chloride		ND		10										U*
n-Butylbenzene		ND		5.0										U
n-Propylbenzene		ND		5.0										U
Naphthalene		ND		5.0										U
o-Xylene		ND		5.0										U
p-Diethylbenzene		ND		5.0										U

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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3025

Sample ID	MB-3025	SampType: MBLK	TestCode: 8260_S		Units: µg/Kg	Prep Date: 11/24/2014			RunNo: 5091		
Client ID:	PBS	Batch ID: 3025	TestNo: SW8260C		SW5035A	Analysis Date: 11/24/2014			SeqNo: 96913		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U*
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Surr: 4-Bromofluorobenzene	53		50.00		107	50	139				
Surr: Dibromofluoromethane	48		50.00		95.9	50	138				
Surr: Toluene-d8	49		50.00		98.3	71	120				

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3030

Sample ID	MBS112414A	SampType:	MBLK	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	11/24/2014	RunNo:	5131	
Client ID:	PBS	Batch ID:	3030	TestNo:	SW6010C	SW3050B		Analysis Date:	11/25/2014	SeqNo:	97820	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum		ND	0.400									U
Antimony		ND	0.500									U
Arsenic		ND	0.500									U
Barium		ND	0.400									U
Beryllium		ND	0.400									U
Boron		ND	0.400									U
Cadmium		ND	0.400									U
Calcium		ND	0.500									U
Chromium		ND	0.400									U
Cobalt		ND	0.400									U
Copper		ND	0.400									U
Iron		ND	0.400									U
Lead		ND	0.400									U
Magnesium		ND	0.400									U
Manganese		ND	0.400									U
Molybdenum		ND	0.400									U
Nickel		ND	0.400									U
Potassium		ND	0.500									U
Selenium		ND	0.500									U
Silicon		ND	0.500									U
Silver		ND	0.400									U
Sodium		ND	0.500									U
Thallium		ND	0.500									U
Tin		ND	0.400									U
Titanium		ND	0.400									U
Vanadium		ND	0.400									U

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3030

Sample ID	MBS112414A	SampType:	MBLK	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	11/24/2014	RunNo:	5131			
Client ID:	PBS	Batch ID:	3030	TestNo:	SW6010C	SW3050B		Analysis Date:	11/25/2014	SeqNo:	97820			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc		ND		0.400										U

Sample ID	LCSS112414A	SampType: LCS	TestCode: ICPSCAN_S	Units: mg/Kg	Prep Date: 11/24/2014	RunNo: 5131					
Client ID: LCSS	Batch ID: 3030	TestNo: SW6010C	SW3050B	Analysis Date: 11/25/2014	SeqNo: 97821						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	43.7	0.400	40.00	0	109	80	120				
Antimony	42.2	0.500	40.00	0	105	80	120				
Arsenic	39.9	0.500	40.00	0	99.7	80	120				
Barium	43.0	0.400	40.00	0	108	80	120				
Beryllium	40.8	0.400	40.00	0	102	80	120				
Cadmium	40.4	0.400	40.00	0	101	80	120				
Calcium	42.6	0.500	40.00	0	106	80	120				
Chromium	43.3	0.400	40.00	0	108	80	120				
Cobalt	43.2	0.400	40.00	0	108	80	120				
Copper	41.4	0.400	40.00	0	104	80	120				
Iron	41.6	0.400	40.00	0	104	80	120				
Lead	38.9	0.400	40.00	0	97.2	80	120				
Magnesium	41.8	0.400	40.00	0	105	80	120				
Manganese	40.9	0.400	40.00	0	102	80	120				
Molybdenum	43.3	0.400	40.00	0	108	80	120				
Nickel	42.6	0.400	40.00	0	107	80	120				
Potassium	417	0.500	400.0	0	104	80	120				
Selenium	40.2	0.500	40.00	0	100	80	120				
Silver	41.1	0.400	40.00	0	103	80	120				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3030

Sample ID	LCSS112414A	SampType: LCS	TestCode: ICPSCAN_S	Units: mg/Kg	Prep Date: 11/24/2014	RunNo: 5131					
Client ID: LCSS	Batch ID: 3030	TestNo: SW6010C	SW3050B	Analysis Date: 11/25/2014	SeqNo: 97821						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	46.1	0.500	40.00	0	115	80	120				
Thallium	41.2	0.500	40.00	0	103	80	120				
Vanadium	42.2	0.400	40.00	0	106	80	120				
Zinc	42.3	0.400	40.00	0	106	80	120				

Sample ID	1411156-005AMS	SampType: MS	TestCode: ICPSCAN_S		Units: mg/Kg-dry	Prep Date: 11/24/2014			RunNo: 5131		
Client ID:	BatchQC	Batch ID: 3030	TestNo: SW6010C		SW3050B	Analysis Date: 11/25/2014			SeqNo: 97828		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	14800	1.02	51.20	15080	-610	75	125				S
Antimony	46.1	1.28	51.20	0	90.0	75	125				
Arsenic	56.2	1.28	51.20	9.240	91.7	75	125				
Barium	216	1.02	51.20	166.4	97.8	75	125				
Beryllium	48.1	1.02	51.20	0	94.0	75	125				
Cadmium	48.6	1.02	51.20	1.514	91.9	75	125				
Calcium	3870	1.28	51.20	3882	-19.8	75	125				S
Chromium	95.1	1.02	51.20	45.41	97.0	75	125				
Cobalt	43.0	1.02	51.20	2.548	79.1	75	125				
Copper	99.2	1.02	51.20	48.81	98.4	75	125				
Iron	17900	1.02	51.20	18080	-376	75	125				S
Lead	96.5	1.02	51.20	55.57	80.0	75	125				
Magnesium	4490	1.02	51.20	4529	-81.4	75	125				S
Manganese	1370	1.02	51.20	1365	12.6	75	125				S
Molybdenum	51.7	1.02	51.20	0.7718	99.5	75	125				
Nickel	75.5	1.02	51.20	28.23	92.3	75	125				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3030

Sample ID	1411156-005AMS	SampType: MS	TestCode: ICPSCAN_S	Units: mg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5131					
Client ID:	BatchQC	Batch ID: 3030	TestNo: SW6010C	SW3050B	Analysis Date: 11/25/2014	SeqNo: 97828					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	2950	1.28	512.0	2427	103	75	125				
Selenium	47.1	1.28	51.20	0.7769	90.5	75	125				
Silver	50.6	1.02	51.20	0.5298	97.7	75	125				
Sodium	314	1.28	51.20	253.4	118	75	125				
Thallium	41.2	1.28	51.20	0	80.4	75	125				
Vanadium	86.0	1.02	51.20	36.66	96.4	75	125				
Zinc	342	1.02	51.20	298.3	84.5	75	125				

Sample ID	1411156-005AMSD	SampType: MSD	TestCode: ICPSCAN_S		Units: mg/Kg-dry	Prep Date: 11/24/2014			RunNo: 5131		
Client ID:	BatchQC	Batch ID: 3030	TestNo: SW6010C		SW3050B	Analysis Date: 11/25/2014			SeqNo: 97829		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	14800	1.02	51.20	15080	-560	75	125	14760	0.173	20	S
Antimony	46.3	1.28	51.20	0	90.4	75	125	46.07	0.452	20	
Arsenic	56.6	1.28	51.20	9.240	92.5	75	125	56.20	0.686	20	
Barium	216	1.02	51.20	166.4	97.7	75	125	216.5	0.0300	20	
Beryllium	48.1	1.02	51.20	0	93.9	75	125	48.13	0.0790	20	
Cadmium	48.8	1.02	51.20	1.514	92.4	75	125	48.58	0.481	20	
Calcium	3860	1.28	51.20	3882	-50.2	75	125	3872	0.403	20	S
Chromium	95.5	1.02	51.20	45.41	97.9	75	125	95.09	0.452	20	
Cobalt	41.8	1.02	51.20	2.548	76.7	75	125	43.04	2.87	20	
Copper	99.5	1.02	51.20	48.81	99.1	75	125	99.18	0.350	20	
Iron	18000	1.02	51.20	18080	-229	75	125	17890	0.418	20	S
Lead	97.1	1.02	51.20	55.57	81.1	75	125	96.52	0.582	20	
Magnesium	4490	1.02	51.20	4529	-74.5	75	125	4487	0.0783	20	S

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits





American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3030

Sample ID	1411156-005AMSD	SampType:	MSD	TestCode:	ICPSCAN_S	Units:	mg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5131
Client ID:	BatchQC	Batch ID:	3030	TestNo:	SW6010C	SW3050B		Analysis Date:	11/25/2014	SeqNo:	97829
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	1380	1.02	51.20	1365	24.7	75	125	1372	0.448	20	S
Molybdenum	52.1	1.02	51.20	0.7718	100	75	125	51.71	0.794	20	
Nickel	75.6	1.02	51.20	28.23	92.6	75	125	75.51	0.175	20	
Potassium	2960	1.28	512.0	2427	105	75	125	2954	0.342	20	
Selenium	47.6	1.28	51.20	0.7769	91.5	75	125	47.12	1.08	20	
Silver	51.3	1.02	51.20	0.5298	99.2	75	125	50.57	1.50	20	
Sodium	317	1.28	51.20	253.4	123	75	125	313.9	0.860	20	
Thallium	41.2	1.28	51.20	0	80.5	75	125	41.18	0.0374	20	
Vanadium	86.1	1.02	51.20	36.66	96.5	75	125	86.01	0.0667	20	
Zinc	342	1.02	51.20	298.3	85.3	75	125	341.6	0.123	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3031

Sample ID	BL	SampType:	MBLK	TestCode:	CN_S	Units:	mg/Kg	Prep Date:	11/24/2014	RunNo:	5088	
Client ID:	PBS	Batch ID:	3031	TestNo:	SW9012B	SW9012B		Analysis Date:	11/24/2014	SeqNo:	96176	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric		ND	0.100									U

Sample ID	LCS	SampType:	LCS	TestCode:	CN_S	Units:	mg/Kg	Prep Date:	11/24/2014	RunNo:	5088			
Client ID:	LCSS	Batch ID:	3031	TestNo:	SW9012B	SW9012B		Analysis Date:	11/24/2014	SeqNo:	96177			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric		1.95		0.100	2.000	0		97.5	80	120				

Sample ID	1411156-005AMS	SampType: MS	TestCode: CN_S	Units: mg/Kg-dry	Prep Date: 11/24/2014	RunNo: 5088					
Client ID:	BatchQC	Batch ID: 3031	TestNo: SW9012B	SW9012B	Analysis Date: 11/24/2014	SeqNo: 96183					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	5.88	0.258	5.161	0	114	63	123				

Sample ID	1411156-005AMSD	SampType: MSD	TestCode: CN_S		Units: mg/Kg-dry		Prep Date: 11/24/2014			RunNo: 5088		
Client ID:	BatchQC	Batch ID: 3031	TestNo: SW9012B		SW9012B		Analysis Date: 11/24/2014			SeqNo: 96184		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric		5.81	0.258	5.161	0	113	63	123	5.884	1.32	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3031

Sample ID	1411156-005AMSD	SampType:	MSD	TestCode:	CN_S	Units:	mg/Kg-dry	Prep Date:	11/24/2014	RunNo:	5088
Client ID:	BatchQC	Batch ID:	3031	TestNo:	SW9012B	SW9012B		Analysis Date:	11/24/2014	SeqNo:	96184
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3043

Sample ID	MB-3043	SampType:	MBLK	TestCode:	8082_S	Units:	%REC	Prep Date:	11/25/2014	RunNo:	5152		
Client ID:	PBS	Batch ID:	3043	TestNo:	SW8082A	SW3546		Analysis Date:	11/26/2014	SeqNo:	98364		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		13			24.94		52.4	12	151				
Surr: TCX		19			24.94		76.4	18	147				

Sample ID	LCS-3043	SampType:	LCS	TestCode:	8082_S	Units:	%REC	Prep Date:	11/25/2014	RunNo:	5152		
Client ID:	LCSS	Batch ID:	3043	TestNo:	SW8082A	SW3546		Analysis Date:	11/26/2014	SeqNo:	98365		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		28			25.00		113	12	151				
Surr: TCX		18			25.00		73.4	18	147				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3043

Sample ID	MB-3043	SampType:	MBLK	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	11/25/2014	RunNo:	5151	
Client ID:	PBS	Batch ID:	3043	TestNo:	SW8082A	SW3546		Analysis Date:	11/26/2014	SeqNo:	98338	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	20									U
Aroclor 1221		ND	20									U
Aroclor 1232		ND	20									U
Aroclor 1242		ND	20									U
Aroclor 1248		ND	20									U
Aroclor 1254		ND	20									U
Aroclor 1260		ND	20									U
Aroclor 1262		ND	20									U
Aroclor 1268		ND	20									U
Surr: DCB		12		24.94		48.2	12	151				
Surr: TCX		18		24.94		71.2	18	147				

Sample ID	LCS-3043	SampType:	LCS	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	11/25/2014	RunNo:	5151		
Client ID:	LCSS	Batch ID:	3043	TestNo:	SW8082A	SW3546		Analysis Date:	11/26/2014	SeqNo:	98339		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1232		180		20	250.0	0	73.5	30	140				
Aroclor 1268		170		20	250.0	0	68.2	35	135				
Surr: DCB		28			25.00		112	12	151				
Surr: TCX		17			25.00		68.8	18	147				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3044

Sample ID	MB-3044	SampType:	MBLK	TestCode:	8081_S	Units:	%REC	Prep Date:	11/25/2014	RunNo:	5210		
Client ID:	PBS	Batch ID:	3044	TestNo:	SW8081B	SW3546		Analysis Date:	12/1/2014	SeqNo:	99889		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		15			25.00		61.1	16	148				
Surr: TCX		13			25.00		52.9	19	145				

Sample ID	LCS-3044	SampType:	LCS	TestCode:	8081_S	Units:	%REC	Prep Date:	11/25/2014	RunNo:	5210		
Client ID:	LCSS	Batch ID:	3044	TestNo:	SW8081B	SW3546		Analysis Date:	12/1/2014	SeqNo:	99890		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		13			25.00		51.3	16	148				
Surr: TCX		10			25.00		41.7	19	145				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3044

Sample ID	MB-3044	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	11/25/2014	RunNo:	5209	
Client ID:	PBS	Batch ID:	3044	TestNo:	SW8081B	SW3546		Analysis Date:	12/1/2014	SeqNo:	99854	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD		ND	2.5									U
4,4´-DDE		ND	2.5									U
4,4´-DDT		ND	2.5									U
Aldrin		ND	2.5									U
alpha-BHC		ND	2.5									U
alpha-Chlordane		ND	10									U
beta-BHC		ND	2.5									U
Chlorobenzilate		ND	2.5									U
DBCP		ND	2.5									U
delta-BHC		ND	2.5									U
Dieldrin		ND	2.5									U
Endosulfan I		ND	2.5									U
Endosulfan II		ND	2.5									U
Endosulfan sulfate		ND	2.5									U
Endrin		ND	2.5									U
Endrin aldehyde		ND	2.5									U
Endrin ketone		ND	2.5									U
gamma-BHC		ND	2.5									U
gamma-Chlordane		ND	10									U
Heptachlor		ND	3.0									U
Heptachlor epoxide		ND	2.5									U
Hexachlorobenzene		ND	2.5									U
Hexachlorocyclopentadiene		ND	3.0									U
Methoxychlor		ND	2.5									U
Toxaphene		ND	25									U
Surr: DCB		16		25.00		64.2	16	148				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Farmingdale, New York 11735  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3044

Sample ID	MB-3044	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	11/25/2014	RunNo:	5209		
Client ID:	PBS	Batch ID:	3044	TestNo:	SW8081B	SW3546		Analysis Date:	12/1/2014	SeqNo:	99854		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: TCX	14		25.00		56.9	19	145							
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Sample ID	LCS-3044	SampType:	LCS	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	11/25/2014	RunNo:	5209		
Client ID:	LCSS	Batch ID:	3044	TestNo:	SW8081B	SW3546		Analysis Date:	12/1/2014	SeqNo:	99855		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DBCP	5.3	2.5	10.00	0	52.8	11	146							P
Hexachlorobenzene	2.6	2.5	10.00	0	26.3	13	151							
Hexachlorocyclopentadiene	8.6	3.0	10.00	0	85.9	23	148							
Toxaphene	150	25	350.0	0	43.7	30	145							
Surr: DCB	14		25.00		54.3	16	148							
Surr: TCX	10		25.00		41.0	19	145							

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits





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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

Client: Evergreen Recycling of Corona

Project: EROC General Fill

BatchID: 3057

Sample ID	<b>MBS112514A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>11/25/2014</b>	RunNo:	<b>5126</b>
Client ID:	<b>PBS</b>	Batch ID:	<b>3057</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>11/25/2014</b>	SeqNo:	<b>97309</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		ND		0.0120							U

Sample ID	<b>LCSS112514A</b>	SampType:	<b>LCS</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>11/25/2014</b>	RunNo:	<b>5126</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3057</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>11/25/2014</b>	SeqNo:	<b>97310</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		0.179		0.0120	0.2000	0	89.3	80	120		

Sample ID	<b>1411156-005AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>11/25/2014</b>	RunNo:	<b>5126</b>
Client ID:	<b>BatchQC</b>	Batch ID:	<b>3057</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>11/25/2014</b>	SeqNo:	<b>97319</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		0.689		0.0295	0.4916	0.1652	107	80	120		

Sample ID	<b>1411156-005AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>11/25/2014</b>	RunNo:	<b>5126</b>
Client ID:	<b>BatchQC</b>	Batch ID:	<b>3057</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>11/25/2014</b>	SeqNo:	<b>97320</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		0.780		0.0292	0.4869	0.1652	126	80	120	0.6894	12.4 20 S

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3092

Sample ID	MB-3092	SampType:	MBLK	TestCode:	8151_S	Units:	µg/Kg	Prep Date:	12/1/2014	RunNo:	5216
Client ID:	PBS	Batch ID:	3092	TestNo:	SW8151A	SW8151A		Analysis Date:	12/1/2014	SeqNo:	99955
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	ND	3.0									U
2,4,5-TP	ND	3.0									U
2,4-D	ND	3.0									U
Dicamba	ND	3.0									U
Surr: 2,4-DCAA	19		16.66		114	16	152				P

Sample ID	LCS-3092	SampType: LCS	TestCode: 8151_S	Units: µg/Kg	Prep Date: 12/1/2014	RunNo: 5216					
Client ID:	LCSS	Batch ID: 3092	TestNo: SW8151A	SW8151A	Analysis Date: 12/1/2014	SeqNo: 99956					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	24	3.0	33.33	0	70.7	20	131				
2,4,5-TP	23	3.0	33.33	0	70.1	23	137				
2,4-D	31	3.0	33.33	0	93.3	25	139				
Dicamba	19	3.0	33.33	0	57.9	20	138				
Surr: 2,4-DCAA	19		16.66		113	16	152				P

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3092

Sample ID	MB-3092	SampType:	MBLK	TestCode:	8151_S	Units:	%REC	Prep Date:	12/1/2014	RunNo:	5215		
Client ID:	PBS	Batch ID:	3092	TestNo:	SW8151A	SW8151A		Analysis Date:	12/1/2014	SeqNo:	99946		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4-DCAA	13		16.66		80.3	16	152				P
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Sample ID	LCS-3092	SampType:	LCS	TestCode:	8151_S	Units:	%REC	Prep Date:	12/1/2014	RunNo:	5215		
Client ID:	LCSS	Batch ID:	3092	TestNo:	SW8151A	SW8151A		Analysis Date:	12/1/2014	SeqNo:	99947		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4-DCAA	12		16.66		70.2	16	152				P
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**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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56 Toledo Street  
Farmingdale, New York 11735  
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## QC SUMMARY REPORT

WO#: 1411159

02-Dec-14

**Client:** Evergreen Recycling of Corona

**Project:** EROC General Fill

**BatchID:** 3102

Sample ID	<b>MBS120114A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>Cr6_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>12/1/2014</b>	RunNo:	<b>5201</b>
Client ID:	<b>PBS</b>	Batch ID:	<b>3102</b>	TestNo:	<b>SW7196A</b>	<b>SW3060A</b>		Analysis Date:	<b>12/1/2014</b>	SeqNo:	<b>99719</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chromium, Hexavalent		ND		0.500							U

Sample ID	<b>LCSS120114A</b>	SampType:	<b>LCS</b>	TestCode:	<b>Cr6_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>12/1/2014</b>	RunNo:	<b>5201</b>
Client ID:	<b>LCSS</b>	Batch ID:	<b>3102</b>	TestNo:	<b>SW7196A</b>	<b>SW3060A</b>		Analysis Date:	<b>12/1/2014</b>	SeqNo:	<b>99720</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chromium, Hexavalent		9.88		0.500	10.00	0	98.8	80	120		

Sample ID	<b>1411175-005AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>Cr6_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>12/1/2014</b>	RunNo:	<b>5201</b>
Client ID:	<b>BatchQC</b>	Batch ID:	<b>3102</b>	TestNo:	<b>SW7196A</b>	<b>SW3060A</b>		Analysis Date:	<b>12/1/2014</b>	SeqNo:	<b>99728</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chromium, Hexavalent		43.3		2.35	47.04	3.546	84.5	75	125		D

Sample ID	<b>1411175-005AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>Cr6_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>12/1/2014</b>	RunNo:	<b>5201</b>
Client ID:	<b>BatchQC</b>	Batch ID:	<b>3102</b>	TestNo:	<b>SW7196A</b>	<b>SW3060A</b>		Analysis Date:	<b>12/1/2014</b>	SeqNo:	<b>99729</b>
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chromium, Hexavalent		44.2		2.35	47.04	3.546	86.5	75	125	43.27	2.15 0 D

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

47-14-020 (01/94)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID WASTEREGISTRATION FORM FOR A  
SOLID WASTE MANAGEMENT FACILITYPlease read and follow all instructions before completing  
this registration form

Please Type or Print clearly

THIS IS NOT A LPA PERMIT

## DEPARTMENT USE ONLY


DEC REGISTRATION #

41W93

DEC ADMINISTRATION #

DATE RECEIVED

9.10.98


1. FACILITY NAME AND LOCATION		2. FACILITY OWNER'S NAME	
EVERGREEN RECYCLING OF CORONA		TULLY ENVIRONMENTAL, INC.	
Street WILLETS POINT BLVD.		Mailing Address 127-50 NORTHERN BLVD.	
City/Village CORONA MEADOWS YARD		City/Town/Village FLUSHING	
Town CORONA		State/Zip Code NEW YORK, 11368	
County QUEENS		Telephone Number (718) 446-7000 ex 248 297	
3. FACILITY OPERATOR'S NAME (if different)		4. SITE OWNER'S NAME (if different)	
TULLY ENVIRONMENTAL, INC.		METROPOLITAN TRANSPORTATION AUTHORITY	
Mailing Address 127-50 NORTHERN BLVD.		Mailing Address 347 MADISON AVENUE	
City/Town/Village FLUSHING		City/Town/Village NEW YORK	
State/Zip Code NEW YORK 11368		State/Zip Code NEW YORK 10017-3739	
Telephone Number (718) 446-7000 ex 248		Telephone Number (212) 878-7048	
5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)			
<input type="checkbox"/> Energy Recovery Incinerators or Pyrolysis Units (360-3.1(c))		<input type="checkbox"/> Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities (360-12.1(d))	
<input type="checkbox"/> Land Application and Storage Facilities (360-4.1(c))		<input type="checkbox"/> Waste Tire Retreaders (360-13.1(d)(1)(i))	
<input type="checkbox"/> Composting and Other Distribution and Marketing Facilities (360-5.3(b))		<input type="checkbox"/> Waste Tires Stored for On-site Energy Recovery (360-13.1(d)(1)(ii))	
<input type="checkbox"/> Land Clearing Debris Landfills three acres or less (360-7.2(a))		<input type="checkbox"/> Tire Dealers Selling Waste Tires (360-13.1(d)(1)(iii))	
<input type="checkbox"/> Transfer Stations (own, jointly owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually (360-11.1(b)(1))		<input type="checkbox"/> Tire Manufacturing Facilities (360-13.1(d)(1)(iv))	
<input type="checkbox"/> Transfer Stations (own, jointly owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually (360-11.1(b)(2))		<input checked="" type="checkbox"/> Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock (360-16.1(d)(1)(i))	
<input type="checkbox"/> Other Facilities not specifically described above. Specify Type _____		<input type="checkbox"/> Uncontaminated Unaltered Wood Processing Facilities (360-16.1(d)(1)(ii))	
6. SOLID WASTE HANDLED		7. OPERATIONS SCHEDULE - Normal schedule of operation	
a. List wastes and/or materials to be accepted: Concrete, Fill, Virgin Sand, Gravel, Asphalt		Mon-Fri 7am-6pm	
b. Quantity (Specify Units - see instructions) design capacity 10,000 yards storage on site 50,000 yards		8. NAME(S) OF ALL MUNICIPALITIES SERVED _____	
9. CERTIFICATION: I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as President (title) of Tully Environmental (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulation(s) and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.			
Printed/Typed Name Peter K. Tully		Signature 	
No.		Day Year	
09		10 98	

REGIONAL OFFICE COPY - COPY #1

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ID: S158713352

SEP-01-98 13:38 FROM: GANNETT FLEMING LV

			New York State Department of Transportation <b>ENGINEERING INSTRUCTION</b>	<b>EI</b> <b>13-006</b>
Title: <b>STANDARD SPECIFICATION §733-02 MECHANICALLY STABILIZED EARTH SYSTEM BACKFILL MATERIAL</b>				
Target Audience:		Approved:		
<input type="checkbox"/> Manufacturers (18)	<input type="checkbox"/> Surveyors (33)	/s/Robert L. Sack Robert L. Sack, P.E. Deputy Chief Engineer (Research)		<u>1 May 13</u> Date
<input checked="" type="checkbox"/> Local Govt. (31)	<input checked="" type="checkbox"/> Consultants (34)			
<input checked="" type="checkbox"/> Agencies (32)	<input checked="" type="checkbox"/> Contractors (39)			
<input type="checkbox"/> _____ ( )				

#### ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of September 5, 2013.
- This EI modifies a portion of EI 09-027.
- The revisions issued with this EI will be incorporated into the next update of the Standard Specifications.

**PURPOSE:** The purpose of this EI is to revise Standard Specification §733-02 *Mechanically Stabilized Earth System Backfill Material*.

#### TECHNICAL INFORMATION:

- Crushed portland cement concrete from highway reconstruction projects or construction demolition sites is trucked to an aggregate supplier equipped with crushers, and processed into recycled portland cement concrete aggregate (RCA). After processing, the recycled material is nearly indistinguishable from granular material obtained from naturally occurring sources.

In 1988 New York State passed the Solid Waste Management Act, regulating the use of RCA. This law could have considered the placement of this material to be construed as creating a landfill, subjecting its use to a permitting process with a lengthy checklist for control procedures. However, because this material had been successfully used since 1982, the New York State Department of Environmental Conservation (NYSDEC) considers RCA to be essentially free from contaminants. RCA is considered to be pre-determined Beneficial Use Determination (BUD) in regulation 6 NYCRR 360-1.15 (b)(11). Producers of RCA must register with the NYSDEC.

- The parameters influencing corrosion of the Mechanically Stabilized Earth System (MSES) straps are contained within the environment in which the metal is placed: i.e.
  - (1) Soil – includes soil resistivity, pH, dissolved salts, redox potential and total acidity.
  - (2) Air – soil compaction, and
  - (3) Water – degree of saturation, dissolved salts.

pH is a measure of the activity of the solvated hydrogen ion and is defined as the decimal logarithm of the reciprocal of the hydrogen ion activity in a solution. Values of soil pH are referred to as the intensity factor. The corrosion model developed to predict the rate of metal loss identifies a pH range to be between 5 – 10.

Concrete typically has a pH between 12 – 13. This inherent characteristic places RCA outside the range of the corrosion model, which identifies very strongly alkaline material (pH greater than 10) as generally associated with significant corrosion rates.

- The revision to the Standard Specification includes the following:
  1. Eliminates Type C from consideration.

## El 13-006 Page 2 of 2

The specification for "Type C" RCA required a pH in the range of 5 – 10 to be consistent with the corrosion model for predicting the rate of metal loss. As stated above, this requirement cannot be met due to the inherent characteristics of RCA. Therefore, Type C is being eliminated from the specification to prevent assumptions that this material can be produced.

However, if a Contractor wishes to use RCA for MSES backfill, "Type D" RCA is still a viable option. The gradation of Type D is a revision to the gradation for a natural material. This revised gradation produces a free-draining material and as such, it eliminates one of the parameters for corrosion (water). Therefore, even though RCA has high pH, the Department has allowed an increase to the pH requirement based on this amendment in the corrosion model. This is identified in the specification which allows "Type D" RCA to possess a pH in the range of 5 – 12.5.

### **IMPLEMENTATION:**

- The Main Office Design Quality Assurance Bureau will insert this standard specification revision into contract proposals beginning with projects submitted for the letting of September 5, 2013.

**TRANSMITTED MATERIALS:** Revisions to Standard Specification §733-02 *Mechanically Stabilized Earth System Backfill Material*. Both metric and US Customary revisions are attached.

**BACKGROUND:** MSES's are internally stabilized fill structures comprised of natural select granular backfill (reinforced backfill), precast concrete panels (facing), subsurface drainage system, and high-strength, metallic or polymeric inclusions (reinforcement) to create a reinforced soil mass. Stability of these systems is achieved by the weight of the reinforced soil mass resisting the overturning and sliding forces generated by the lateral stresses from the retained soil behind the reinforced mass.

MSES walls require a high quality backfill for durability, good drainage, constructability, and good soil reinforcement interaction which can be obtained from well graded, granular materials. The high quality backfill requirements provided in the MSES specification have established minimum or maximum electrochemical index properties to coincide with design procedures for the maximum corrosion rates associated with those properties. Backfills incorporated with buried steel elements of MSES walls which fall outside these ranges provide the potential for a reduced lifespan of the structure along with increased maintenance costs.

**CONTACT:** Questions or comments regarding this issuance should be directed to Randall J. Romer, P.E., of the Geotechnical Engineering Bureau at (518) 457-4714, or via e-mail at [randy.romer@dot.ny.gov](mailto:randy.romer@dot.ny.gov). Questions or comments regarding the technical aspects of the revision to the Standard Specification should be directed to Don Dwyer, P.E., of the Geotechnical Engineering Bureau at (518) 457-4724, [don.dwyer@dot.ny.gov](mailto:don.dwyer@dot.ny.gov).

**§733-02 – MECHANICALLY STABILIZED EARTH SYSTEM  
BACKFILL MATERIAL**

Make the following changes to the Standard Specifications dated May 1, 2008 and May 4, 2006 as modified by EI 09-027 and EI 11-001:

**Delete** MATERIAL REQUIREMENTS B. GRADATION 3. Type C entirely and **Replace** it with the following:

**3. Type C.** Vacant.



## **CAMP SUMMARY SHEET**

## **Community Air Monitoring Program Summary**

As part of the Health and Safety monitoring conducted during the construction activities associated with the remedial action, air monitoring around the perimeter of the site was implemented in accordance with the CAMP prepared by Golder Associates Inc., dated November 2011. The CAMP was implemented by AMEC Foster Wheeler to prevent the surrounding communities from potential exposure to contaminants and document compliance with action levels. Based on previous investigations, VOCs and particulates have been identified as contaminants of potential concern relevant to the CAMP.

Consistent with NYSDOH guidance, AMEC Foster Wheeler developed site specific Dust and VOC action levels for the CAMP. Background air monitoring was conducted upwind and downwind of the site for 3 days prior to construction activities. This data provided a background level of 0.16 ppm for VOCs and 81 ug/m<sup>3</sup> for dust. Per the CAMP, a corrective action level for VOCs was identified as an instantaneous reading of 5.16 ppm or a 15-minute average of 1.16 ppm at the downwind station. The corrective action level for dust was identified as a 15-minute average of 181 ug/m<sup>3</sup> at the downwind station.

During intrusive activities, three perimeter air monitoring locations were established to monitor for fugitive dust and VOCs. Using a Davis Instruments Vantage Pro2 Weather Station, one upwind and two downwind locations were chosen daily for monitoring. The air monitoring stations were set to monitor for particulate matter less than 10 micrometers in size using a TSI Dust Trak II Aerosol Monitor and VOCs using a MiniRae 3000 photo-ionization detector (PID) in real time and logged at 1 and 15 minute averages. The PID was utilized to monitor VOC concentrations during non-intrusive activities. Meteorological data consisting of wind speed, wind direction, temperature, barometric pressure, and relative humidity were also measured and recorded daily. Water trucks were used daily to suppress dust or vapors as a preventative measure. As a result, there were no sustained exceedances of either dust or VOC action levels that resulted in work suspension.

## **DAILY AND WEEKLY CONSTRUCTION REPORTS**



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, April 13, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	50 - 66
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.59"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	WSW / ESE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1		
Transit Corp.	Subcontractor			
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed perimeter air monitoring
- Transit Corp. :
  - No work performed

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
N/A	N/A	N/A	N/A

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- None

## **HEALTH & SAFETY**

- Reviewed HASP and CAMP
  -

### **Incidents involving construction personnel**

**Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, April 14, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	56 - 63
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.59"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1		
Transit Corp.	Subcontractor		1	1
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed perimeter air monitoring
- Transit Corp. :
  - Delivered mafia blocks to site for staging area
  - Moved drums to staging area
  - Portable bathroom delivered to site
  - Installed silt felt on RAD II

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
N/A	N/A	N/A	N/A

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Discussed site preparation and mobilization

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, April 23, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	42 - 50
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	10 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		3
Transit Corp.	Subcontractor	1		
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed perimeter air monitoring
  - Installed electrical panel in staging area
  - Set up oil/water separator and prepared well development equipment
- **Transit Corp. :**
  - Met with AMEC to discuss final preparation to begin work

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	N/A	N/A	N/A



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 8:00 am
  - Discussed site preparation and daily activities for the following day

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, April 24, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly cloudy	<b>TEMPERATURE:</b>	39 - 50
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	WNW

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1		2
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Constructed well pump and skimmer pump
  - Reviewed construction schedule with Angel Aerial, One Stop LIC (RAD I Tenant) and DeMaximis. We observed that a new sub-tenant has leased the former CAC construction area and stockpiled debris containers of various sizes over the path of the well piping.
- **Transit Corp. :**
  - Constructed stockpile containment area and moved onsite soils
  - Installed construction entrance

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
N/A	N/A	N/A	N/A

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:30 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, April 27, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly cloudy	<b>TEMPERATURE:</b>	50 - 60
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	7 MPH	<b>WIND DIRECTION:</b>	ENE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		2
Transit Corp.	Subcontractor		1	2
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Performed well development on 4 wells
  - Sampled 2 wells for PCBs
  - Removed soil rolloff container from site
- **Transit Corp. :**
  - Installed silt fence along Preston Ave
  - Moved soil from rolloff to stockpile
  - Began layout of work area 1
  - Received delivery of well vaults and other materials, will do inventory tomorrow

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	N/A	N/A	N/A

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, April 28, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	52 - 69
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	NE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1		2
Transit Corp.	Subcontractor		1	2
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Performed well development on 6 wells
  - Conducted inventory of materials delivered to site. Please see table below for details
- **Transit Corp. :**
  - Continued layout of work area 1
  - Staged materials in work area 1
  - Set up exclusion zone around work area 1 and staging area
  - Began cutting work area 1 to grade and transporting soil to stockpile

## **MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	56	Well Vaults	Emco Locking Vault Water Resistant A0717-724VW
N/A	13	Well Vaults	Emco Locking Vault Water Resistant A0717-730VW
N/A		4" PVC Elbow	90 DEG. X 24" RAD PVC Conduit (Should be 18" RAD)
N/A		1" Rigid Insul	Owens Corning Foamular
N/A		2" Rigid Insul	Owens Corning Foamular (Should be 1 ½")
N/A		4" Fittings	HDPE 22.5 DEG. Fittings (Should be 6" DIA.)
N/A		4" PVC Pipe	JM Eagle SCH 40 DWV
N/A		4" and 6"	Smooth lined Dual Wall HPDE Corrugated Pipe

**Need packing slip to determine manufacturer and quantity typical. Need replacement fittings. 2" PVC pipe, PVC fittings and valves to begin installation.**

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell

## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION DAILY CONSTRUCTION LOG

## RAD I, II Site Work & Remediation Construction

### 37-30 to 37-80 Review Avenue

## Long Island City, New York

**Wednesday, April 29, 2015**

# Construction Daily Summary Report

WEATHER:	Sunny	TEMPERATURE:	58 - 74
PRECIPITATION:	0.00"	CUMULATIVE FOR MONTH:	1.98"
WIND SPEED:	6 MPH	WIND DIRECTION:	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		2
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client	1		
TOTAL				

### Operational Highlights/Problems

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Performed well development on 5 wells
- **Transit Corp. :**
  - Continued cutting work area 1 to grade and transporting soil to stockpile

## MATERIAL RECEIVING

[illegible]



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly Meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell

## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION DAILY CONSTRUCTION LOG

## RAD I. II Site Work & Remediation Construction

### 37-30 to 37-80 Review Avenue

**Long Island City, New York**

**Thursday, April 30, 2015**

## Construction Daily Summary Report

WEATHER:	Cloudy	TEMPERATURE:	47 - 65
PRECIPITATION:	0.00"	CUMULATIVE FOR MONTH:	1.98"
WIND SPEED:	5 MPH	WIND DIRECTION:	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		2
Transit Corp.	Subcontractor		1	2
DeMaximis	Client	1		
TOTAL				

### Operational Highlights/Problems

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Performed well development on 3 wells. Pump temporary got stuck in well. Once removed, the pump was not working. The remainder of the day was spent fixing the pump. Well development will continue the following day
  - Sampled 1 well for PCBs. One round of sampling is complete
  - Marked out wells for abandonment in work area 1
- **Transit Corp. :**
  - Continued cutting work area 1 to grade and transporting soil to stockpile

## MATERIAL RECEIVING

[illegible]

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- Tim Kessler
- Craig Coslett

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, May 1, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	48 - 61
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	SE, WSW

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1		2
Transit Corp.	Subcontractor		1	2
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Performed well development on 4 wells. Well development is now complete
  - Marked out limits of exclusion zone for next phase of work on RAD I
- **Transit Corp. :**
  - Delivered larger excavator and dump truck to speed up progress and completed cutting work area 1 to grade and transporting soil to stockpile.
  - Prepared work area 1 to begin trenching

## **MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	3	EA	2" True Union Ball Valve MEFCO DN-50
N/A	2	EA	2" Gate Valve Spears NSF-61
N/A	80	FT	2" PVC Pipe
N/A	300	FT	4" PVC Pipe
N/A	23	EA	4" PVC CPLG
N/A	2	EA	4x4x2 PVC TEE
N/A	10	EA	2" PVC ELL
N/A	6	EA	4" PVC 90 ELL
N/A	6	EA	Clear PVC primer
N/A	6	EA	Clear PVC cement

- **Working with Transit to develop incoming inventory control system. The time lag between their receipt of material and our receipt of packing list is too long.**

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- Dust levels downwind of work area exceeded limit during transportation of soil from work area 1 to stockpile. Dump truck driver was instructed to reduce speed. Dust levels were reduced and work continued.
- VOC levels downwind of work area exceeded limit during transfer of well development water from drums to frac tank. Drum lids were kept on during transfer and VOC levels were reduced.

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- Anthony D'Ippolito

**Reviewed and Approved by:** Kevin Cornell





**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, May 4, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	57 - 84
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	1
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Begin trenching operations in work area 1
  - Surveyed and compacted bottom of trench in work area 1 (TF-5A to TF-5D)

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	8	EA	4x4x2 PVC TEE
N/A	4	EA	2" Plastic Gate Value
N/A	48	EA	6" N-12 FAB 22.5 BEND
N/A	48	EA	6" External Snap CPLG
N/A	6	EA	4" PVC 90 ELL
N/A	12	EA	4" PVC 45 ELL
N/A	12	EA	4" PVC 22-1/2 ELL
N/A	3	EA	4" PVC CPLG



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- Dust levels upwind of work area exceeded limit during trenching operations in work area 1. Dust meters were very close to excavation activities in this area. No visible dust was observed leaving the work area and work continued.
- 

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, May 5, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	66 - 84
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	2
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Confirmed the QED Pump Packing List was consistent with the material delivered
- Transit Corp. :
  - Continued trenching operations in work area 1
  - Surveyed and compacted bottom of trench in work area 1 (TF-4A to TF-4D)
  - Began constructing well vaults

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	14	EA	2" 90 ELL
N/A	26	EA	4" NYLOPL N-12 S40 ADPT
N/A			
N/A			
N/A			
N/A			

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- Dust levels upwind of work area exceeded limit during trenching operations in work area 1. Dust meters were very close to excavation activities in this area. No visible dust was observed leaving the work area and work continued.
- 

## **GENERAL NOTES**

- Angel Aerial is continuing to move storage containers and trucks around the site in an organized matter to accommodate the needs of the remedial action.

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, May 6, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	64 - 68
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed VOC monitoring
- Transit Corp. :
  - Placed gravel in trenches (TF-5 and TF-4)
  - Installed sleeves in deep layer of trenches (TF-5 and TF-4)

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	26	EA	90 DEG. X 16" RAD PVC Conduit
N/A			
N/A			
N/A			
N/A			
N/A			

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** Tire on backhoe blew out on Preston Ave as Transit Corp was delivering gravel to the jobsite. The tire was fixed later that day.

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- Perimeter air monitoring was not conducted during non-intrusive activities during the day. VOC levels were monitored at the perimeter of the site throughout the day.

## **GENERAL NOTES**

- Angel Aerial continued to move storage containers and trucks around the site in an organized matter to accommodate the needs of the remedial action.
- AMEC conducted project meeting with Transit Corp

## **VISITORS ON SITE**

- Craig Coslett - DeMaximis
- Brian Davidson - DEC

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, May 7, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	57 - 78
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Installed SVE piping in deep layer of trenches (TF-5 and TF-4)
  - Performed well head modification on all TF-5 wells and TF-4 (B-D) wells. Installed low point drains in TF-5A and TF-4D.
  - Extended exclusion zone and began to excavate trench for TF-3 wells

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	2	Loads	3/8" Stone
N/A			
N/A			
N/A			
N/A			
N/A			

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Angel Aerial continued to move storage containers and trucks around the site in an organized matter to accommodate the needs of the remedial action. The row of TF-3 wells are now accessible.

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, May 8, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	56 - 80
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	3
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Staged drums in preparation to remove oil from the frac tank
- **Transit Corp. :**
  - Continued excavating trench for the TF-3 wells
  - Surveyed and compacted bottom of TF-3 trench
  - Placed gravel in TF-3 trench
  - Continued constructing well vaults
  - Performed successful pressure test on piping for TF-4 and TF-5 wells at 5 psi. Transit Corp. was advised that this does not replace the need for a system wide vacuum test as per the Scope of Work.
  - Placed second layer of gravel over piping in TF-4 trench
  - Installed sleeves in TF-3 trench

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A			
N/A			
N/A			
N/A			



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, May 11, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	71 - 84
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.98"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	3
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Installed SVE pipe in the TF-3 trench (B-D)
  - Performed well head modification on TF-3(B-D) wells. TF-3D was installed as a low point drain
  - Placed second layer of gravel in TF-5 trench
  - Backfilled TF-4 and TF-5 trenches with onsite material in 1' lifts
  - Continued constructing well vaults
  - Performed pressure test on piping for TF-3 wells at 5 psi. Transit Corp. was advised that this does not replace the need for a system wide vacuum test as per the Scope of Work.
  - Began excavating trench along Phoenix Beverage property connecting TF-5A and TF-4A

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	68	EA	4" Corrugated Pipe
N/A			Miscellaneous fittings
N/A			
N/A			
N/A			

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, May 12, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	69 - 87
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	7 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Sampled Recycled Concrete Aggregate and Recycled Common Fill Material which will be used onsite from Evergreen Recycling
- Transit Corp. :
  - Installed SVE pipe in trench from TF-4A to TF-4B
  - Performed well head modification on TF-4A. TF-4A was installed as a low point drain
  - Placed second layer of gravel in TF-3(B-D) trench
  - Backfilled TF-3 trench with onsite material in 1' lifts
  - Continued constructing well vaults
  - Began excavating the North/South trench along Phoenix Beverage property connecting TF-4A and TF-3A. Placed gravel and installed SVE piping in trench

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A	140	EA	4" N-12 FAB 22.5 BEND
N/A	140	EA	4" ADS EXT SNAP CPLG
N/A			
N/A			

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, May 13, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	59 - 68
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	12 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	5
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Excavated trench from TF-3A to TF-3B. Compacted bottom and placed 6" layer of gravel
  - Installed Sleeves and SVE piping in trench from TF-3A to TF-3B
  - Performed well head modification on TF-3A. TF-3A was installed as a low point drain
  - Placed second layer of gravel in trench from TF-3A to TF-3B and backfilled with onsite material
  - Set up exclusion zone on RAD I
  - Began to saw cut asphalt on RAD I for the TF-6 and TF-7 trenches
  - Continued constructing well vaults
  - Performed pressure test on piping for TF-3(A-D) wells at 5 psi. Transit Corp. was advised that this does not replace the need for a system wide vacuum test as per the Scope of Work.
  - Began setting well vaults to elevation and preparing to construct concrete pad.

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
N/A			
N/A			
N/A			
N/A			

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator (5/1/15) Offsite (5/1/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, May 14, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	52 - 72
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	W

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	5
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- **Transit Corp. :**
  - Removed asphalt on RAD I from the TF-6 and TF-7 trenches
  - Began to excavate trench from TF-7C to TF-7B
  - Continued setting well vaults to elevation
  - Performed pressure test on length of N/S piping from TF-5A to TF-3A and TF-4A to TF-3A at 5 psi. Transit Corp. was advised that this does not replace the need for a system wide vacuum test as per the Scope of Work.

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Kuriyama	900	FT	2" Product Hose
Kuriyama	2800	FT	1" Product Hose
Kuriyama	1200	FT	1/2" Product Hose
Kuriyama	400	FT	1" Air Hose
Kuriyama	3300	FT	3/4" Air Hose
Kuriyama	500	FT	1/2" Air Hose



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/14/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Tenant has not moved the dumpsters out of the work area between TF-6D and TF-6C. Will be working with tenant before it becomes an issue with schedule.

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, May 15, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	56 - 75
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.30"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	7
DeMaximis	Client			
GEOD	Surveyor		1	
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Surveyed piping installation and property limits
- **Transit Corp. :**
  - Continued setting well vaults to elevation
  - Continued to place and compact gravel over piping from TF-4B to TF-4A and in SVE trench from TF-5A to TF-3A. Backfilled and compacted trenches with onsite material
  - Began placing and compacting DGA in work area 1

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Kuriyama	2000	FT	½" Air Hose
Kuriyama	100	FT	¾" Air Hose
Kuriyama	100	FT	1" Air Hose
Evergreen	3	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15) Offsite (5/15/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, May 18, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	58 - 65
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.30"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Continued setting well vaults to elevation. (TF-3B)
  - Backfilled N/S trench from TF-4A to TF-3A
  - Continued placing and compacting DGA in work area 1
  - Began removing pads around stick up monitoring wells in preparation for the conversion to flush mount wells
  - Continued excavating TF-6 and TF-7 trenches. Timber mats and concrete obstructions were found in trenches
  - Began to pour concrete around 5 well vaults using 3 sets of wire mesh. TF-5(B-D), TF-4C, and TF-3C were set.

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen	5	Load	DGA
NYCON	4.5	CY	Concrete – 4000 PSI

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15) Offsite (5/15/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent to remove the obstructions in the trenches and to convert the stick up monitoring wells to flush mount wells. AMEC will review this on a daily basis.
- Reviewed results on RAD II boundary survey with John Rolfe and need to have tenant move dumpsters blocking work on TF-6D and TF-6C

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, May 19, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	57 - 77
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.31"
<b>WIND SPEED:</b>	1 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	10
DeMaximis	Client			
Special Testing & Consulting LLC	Compaction Testing		1	
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Continued setting well vaults to elevation ( TF-3D, TF-4B, and TF-4D)
  - Continued placing and compacting DGA in work area 1
  - Successfully tested compaction of DGA in work area 1
  - Continued excavating TF-6 and TF-7 trenches. More timber and concrete/brick obstructions were found in trenches
  - Continued to pour concrete around 3 well vaults using 3 sets of wire mesh. TF-3B, TF-4B, and TF-4D were set.
  - Began to pave work area 1 with asphalt

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen	6	Load	DGA
	2	Load	Asphalt
NYCON	6	CY	Concrete – 4000 PSI
	Unknown	FT	2" and 4" PVC piping

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15) Offsite (5/15/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** While excavating trench segment 28 Transit Corp. hit a 1" water line to the rear building of 37-30 Review Avenue. Piped capped temporarily final repair 5/20/2015. See Incident Report for details.

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent to remove the obstructions in the trenches and to convert the stick up monitoring wells to flush mount wells. AMEC will review this on a daily basis.

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, May 20, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	58 - 63
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.31"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	WNW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	10
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- **Transit Corp. :**
  - Continued excavating TF-6 and TF-7 trenches and the timber and concrete/brick obstructions that were found in trenches
  - Placed and compacted gravel in bottom of TF-7 trench
  - Continued to pave work area 1 with asphalt base layer
  - Removed silt fence and debris from south end of RAD II in preparation for paving
  - Plumber fixed underground water line again that was destroyed while excavating TF-7 trench

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
	4	Load	Asphalt



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15) Offsite (5/15/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** While placing gravel in trench segment 28, the 1" water line repair failed. The pipe was again temporarily capped and repaired before the end of the work day on 5/20/2015.

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent to remove the obstructions in the trenches and to convert the stick up monitoring wells to flush mount wells. AMEC will review this on a daily basis.
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- Tom Whitacre (AMEC)
- Rick Egan (AMEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, May 21, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	55 - 62
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.31"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	2
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Began installing VER piping in TF-7 trench
  - Modified TF-7B and TF-7C well heads
  - Continued to convert stick up wells on RAD II to flush mount wells. The outer casings were removed from 3 wells and they were set to elevation. (PSMW-2, GAL-02R, and GAL-16R)
  - Raised monitoring well GAL-07 to elevation
  - Prepared monitoring well OW-02 for abandonment

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
NYC Sand & Stone	36.75	TN	3/8" Gravel

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15) Offsite (5/15/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent to remove the obstructions in the trenches and to convert the stick up monitoring wells to flush mount wells. AMEC will review this on a daily basis.

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, May 22, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	57 - 71
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.31"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WNW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	3
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels around the perimeter of the work areas
- Transit Corp. :
  - Placed and compacted gravel in bottom of TF-6 trench
  - Began installing VER piping in TF-6 trench
  - Modified TF-6A and TF-6B well heads
  - Continued to convert stick up wells on RAD II to flush mount wells. The outer casings were removed from 3 wells and they were set to elevation. (VER-2, GAGW-02, and GAGW-06I)
  - Cleared brush and debris along south fence on RAD II in preparation for paving
  - Performed pressure test on piping in TF-6 and TF-7 trenches at 5 psi. Transit Corp. was advised that this does not replace the need for a system wide vacuum test as per the Scope of Work.

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15) Offsite (5/15/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring performed today due to Transit Corp performing non intrusive activities. VOC levels were monitored throughout the day
  - Transit Corp monitored LEL levels while converting the stick up monitoring wells to flush mount wells

## **Incidents involving construction personnel**

### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent to remove the obstructions in the trenches and to convert the stick up monitoring wells to flush mount wells. AMEC will review this on a daily basis.

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, May 26, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	67 - 89
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.31"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	9
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- **Transit Corp. :**
  - Placed and compacted gravel over piping in TF-6 and TF-7 trenches
  - Backfilled TF-6 and TF-7 trenches with onsite soil
  - Installed 4" VER piping from TF-6A to South Crossing vault
  - Set TF-6A well vault to elevation
  - Placed and compacted DGA on RAD II in work area 1
  - Continued paving base layer on RAD II in work area 1

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	4	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller (4/14/15) Offsite (5/15/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, May 27, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	70 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.31"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	WSW

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor		1	9
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- **Transit Corp. :**
  - Continued to backfill TF-6 and TF-7 trenches with onsite soil
  - Moved soil from RAD I to separate stockpile containment area on RAD II
  - Excavated trench from TF-7 trench to South Crossing vault for 4" SVE piping only
  - Began placing gravel in bottom of trench from TF-7 to South Crossing vault
  - Set TF-6B well vault to elevation
  - Began paving final layer in work area 1

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	7	Load	Asphalt



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



# HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION DAILY CONSTRUCTION LOG

## RAD I, II Site Work & Remediation Construction

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, May 28, 2015**

### Construction Daily Summary Report

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	68 - 85
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.33"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	2
Transit Corp.	Subcontractor		1	8
DeMaximis	Client	1		
<b>TOTAL</b>				

#### Operational Highlights/Problems

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Set up skimmer pump in frac tank and began to fill drums with LNAPL
- Transit Corp. :
  - Installed 4" VER piping in trench from TF-7 trench to South Crossing vault
  - Placed and compacted gravel over piping in trench to South Crossing vault
  - Backfilled and compacted trench to South Crossing vault with onsite soil
  - Saw cut edges of TF-6 and TF-7 trenches in preparation for paving
  - Paved TF-6 and TF-7 trenches
  - Set TF-7(A-C) well vaults to elevation
  - Set TF-3D, TF-6(A&B), and TF-7(A-C) in concrete
  - Extended manhole on South Crossing vault and set it in concrete
  - Modified TF-7A well head
  - Set up exclusion zone for S-4 trench

#### MATERIAL RECEIVING

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	1	Load	Asphalt
NYCON	6.5	CY	Concrete - 5000 PSI

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, May 29, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	67 - 84
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.33"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NNE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	1
Transit Corp.	Subcontractor	1	1	4
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Continued pumping LNAPL from frac tank into drums
- **Transit Corp. :**
  - Paved trench from TF-7 trench to South Crossing vault
  - Moved soil from RAD I to stockpile containment area on RAD II
  - Placed concrete around manhole extension
  - Performed final restorations and clean up in Work Area 1 on RAD I

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	2	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, June 1, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy, Rainy	<b>TEMPERATURE:</b>	55 - 58
<b>PRECIPITATION:</b>	1.68"	<b>CUMULATIVE FOR MONTH:</b>	2.09"
<b>WIND SPEED:</b>	10 MPH	<b>WIND DIRECTION:</b>	SE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels around the perimeter
  - Continued pumping LNAPL from frac tank into drums
- **Transit Corp. :**
  - Began to excavate trench from TF-5A to TF-3A for the installation of 4" HDPE sleeves
  - Placed and compacted gravel in trench from TF-5A to TF-3A
  - Installed 4" HDPE sleeves in trench from TF-5A to TF-3A
  - Placed and compacted gravel over sleeves in trench from TF-5A to TF-3A
  - Backfilled trench from TF-5A to TF-3A with onsite soil in 1' lifts
  - Began to excavate S-4 trench from S-4E to S-4B. Encountered old railroad obstruction near S-4B. Will raise grade around well and install HDPE sleeves over obstruction. Also encountered three concrete obstructions between S-4D and S-4E. One was removed and HDPE sleeves will be installed around the other two obstructions

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring performed today due to rain. VOC levels were monitored throughout the day

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent to remove the obstructions in the trenches. AMEC will review this on a daily basis.

## **VISITORS ON SITE**

- Tim Kessler (AMEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, June 2, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy, Rainy	<b>TEMPERATURE:</b>	50 - 54
<b>PRECIPITATION:</b>	0.12"	<b>CUMULATIVE FOR MONTH:</b>	2.34"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels around the perimeter
  - Continued pumping LNAPL from frac tank into drums
- Transit Corp. :
  - Continued to excavate S-4 trench from S-4E to S-4D.
  - Placed and compacted gravel in bottom of trench from S-4B to S-4E
  - Installed 4" HDPE sleeves in trench from S-4B to S-4E
  - Placed and compacted gravel over sleeves in trench from S-4B to S-4E
  - Set TF-3A, TF-4A, and TF-5A well vaults to elevation
  - Decommissioned well OW-2 using grout pump
  - Set well vault TF-3A, TF-4A, TF-5A and 4 monitoring wells in concrete

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
NYCON	3.5	CY	Concrete – 4000 PSI



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring performed today due to rain. VOC levels were monitored throughout the day

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent on monitoring well modification and abandonment. AMEC will review this on a daily basis.

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, June 3, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	54 - 70
<b>PRECIPITATION:</b>	0.01"	<b>CUMULATIVE FOR MONTH:</b>	3.42"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	9
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Sampled RAD I soil for re-use on RAD II
- Transit Corp. :
  - Placed and compacted DGA in southeast corner of RAD II
  - Placed and compacted base layer of asphalt in southeast corner of RAD II
  - Backfilled trench from S-4B to S-4E
  - Installed insulation over HDPE sleeves from S-4B to S-4C
  - Performed well head modification on S-4(B-E)
  - Began to raise grade around S-4B
  - Set S-4(C-E) well vaults to elevation
  - Began to stake elevations for the TF-2 trench

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	2	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent on raising grade around S-4B. AMEC will review this on a daily basis.
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, June 4, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	55 - 66
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	3.42"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	ESE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Began to set up Oil/Water Separator for use, however, there is a problem with the seal on the tank
- Transit Corp. :
  - Placed and compacted final layer of asphalt in southeast corner of RAD II and between TF-4 and TF-3 trenches
  - Continued to raise grade around S-4B
  - Secured Work Area 2 on RAD II and began excavating TF-2 trench from TF-2D to TF-2B
  - Placed and compacted gravel in TF-2 trench
  - Began to install 4" VER piping in TF-2 trench

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	4	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Transit Corp will track time and equipment spent on raising grade around S-4B. AMEC will review this on a daily basis.

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, June 5, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Light Rain AM	<b>TEMPERATURE:</b>	57 - 69
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	3.42"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		
Transit Corp.	Subcontractor	1	1	10
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Continued excavating TF-2 trench and placing pea gravel bedding on RAD II
  - Installed 4" VER piping from TF-2D to TF-2B on RAD II
  - Modified TF-2D, TF-2C, and TF-2B well heads
  - Began excavating trench from TF-3A to TF-2A
  - Electrician pulls drag lines on RAD II will pull RAD I drags on Monday
  - Placed and compact DGA and base layer of asphalt from S-4E to S-4C on RAD I
  - Pour Well Vault pads S-4E, S-4D, S-4C S-4B and 3 remaining monitoring well pads in work area 1 on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	1	Load	Asphalt
NYCON	6	CY	Concrete – 5000 PSI

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- AMEC FW and Transit Corp checked elevations on TF-1 line and decided to go with plan grades in effort to lose stockpile of fill and start foundations for treatment plant.

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, June 8, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	64 - 80
<b>PRECIPITATION:</b>	0.01"	<b>CUMULATIVE FOR MONTH:</b>	3.61"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	4
Transit Corp.	Subcontractor	1	1	9
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Installed total fluid and air hoses in HDPE sleeves in trench segments 14, 16, 17, 19, and 20
- **Transit Corp. :**
  - Continued placing and compacting gravel in TF-2 trench and in trench from TF-3A to TF-2A
  - Installed 4" SVE piping and 6" HDPE sleeves from TF-3A to TF-2A on RAD II
  - Installed 4" VER piping from TF-2B to TF-2A
  - Modified TF-2A well head
  - Began excavating trench from TF-2A to TF-1A
  - Began excavating TF-1 trench from TF-1A to TF-1C
  - Electrician pulls drag lines on RAD I
  - Placed and compact final layer of asphalt in S-4 trench from S-4C to S-4E
  - Poured concrete around TF-3A to secure well vault from where it had been undermined by excavation to locate piping

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- John Poserina (AMEC)
- Kinjal Shah (AMEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, June 9, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	68 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	3.75"
<b>WIND SPEED:</b>	8 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	4
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Installed total fluid and air hoses in HDPE sleeves in trench segments 4, 12, 13, 15, and 18
- **Transit Corp. :**
  - Continued placing and compacting gravel in TF-1 trench and in trench from TF-1A to TF-2A
  - Installed 4" SVE piping and 6" HDPE sleeves from TF-1A to TF-2A on RAD II
  - Installed 4" VER piping from TF-1C to TF-1A
  - Modified TF-1A, TF-1B, and TF-1C well heads
  - Pressure tested trenches TF-1 through TF-5 at 5 psi. Transit Corp. was advised that this does not replace the need for a system wide vacuum test as per the Scope of Work.
  - Raised PVC casing on well GAGW-03
  - Backfilled trench from TF-1A to TF-3A
  - Backfilled TF-2 trench
  - Placed and compacted gravel over piping in TF-1 trench
  - Continued to raise grade in work area 2 on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, June 10, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	69 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	3.75"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	4
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Installed total fluid and air hoses in HDPE sleeves in trench segments 5, 24, 28, 29, 35, 36, and 37. A splice was installed on the total fluid hose in trench segment #5
- Transit Corp. :
  - Backfilled TF-1(A-C) trench
  - Set TF-2(A-D) and TF-1(A-B) well vaults to elevation
  - Set TF-2A, TF-2B, and TF-2D well vaults in concrete
  - Continued to raise grade and compact soil in work area 2 on RAD II
  - Began placing and compacting DGA in work area 2 on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
NYCON	4	CY	Concrete – 5000 psi

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, June 11, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	72 - 91
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	3.75"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	4
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Installed drag lines, total fluid hoses, and air hoses in HDPE sleeves in trench segments 3, 9, 10, and 11
  - Fixed electrical system on Oil/Water Separator
- Transit Corp. :
  - Excavated trench from TF-1C to TF-1D
  - Installed 4" VER piping in trench from TF-1C to TF-1D
  - Modified TF-1D well head as a low point drain
  - Backfilled trench from TF-1C to TF-1D with gravel and onsite soil
  - Set TF-1C well vault to elevation
  - Set TF-2C, TF-1A, TF-1B, and TF-1C well vaults and GAGW-03 in concrete
  - Continued to raise grade and compact soil in work area 2 on RAD II
  - Continued placing and compacting DGA in work area 2 on RAD II
  - Began placing and compacting base layer of asphalt in work area 2 on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
NYCON	3.5	CY	Concrete – 5000 psi
Green Asphalt	4	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, June 12, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	75 - 89
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	3.75"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
- Transit Corp. :
  - Began placing and compacting final layer of asphalt in work area 2 on RAD II
  - Secured TF-1C well vault with more concrete
  - Began excavation of trench segment 21 from SXA to Hose Vault

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	9	Load	Asphalt



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to the anticipation of non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, June 15, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	69 - 84
<b>PRECIPITATION:</b>	0.05"	<b>CUMULATIVE FOR MONTH:</b>	5.10"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	SE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter throughout the day
- **Transit Corp. :**
  - Continued placing and compacting final layer of asphalt in work area 2 on RAD II
  - Continued grading area between TF-1 and TF-2 trenches
  - Began placing and compacting DGA in work area 2 between TF-1 and TF-2 trenches
  - Continued excavation of trench segment from SXA to Hose Vault
  - Began installing (2) 4" SVE pipes and (1) 6" HDPE sleeve in the trench from SXA to Hose Vault
  - Began backfilling trench from SXA to Hose Vault with onsite soil
  - Set TF-1D well vault in concrete

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	4	Load	Asphalt
NYCON	1	cy	Concrete – 5000 psi
Evergreen Recycling	5	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, June 16, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	65 - 76
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.11"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	ENE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client	1		
GEOD	Surveyor			1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter throughout the day
- **Transit Corp. :**
  - Began placing and compacting base layer of asphalt in work area 2 on RAD II
  - Continued placing and compacting DGA in work area 2 between TF-1 and TF-2 trenches
  - Continued excavation of trench segments from SXA and TF-1A to Hose Vault
  - Installed (2) 4" SVE pipes and (1) 6" HDPE sleeve in the trench from SXA to Hose Vault
  - Installed piping from TF-1A to Hose Vault
  - Excavated trench from TF-6C to TF-6D

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	6	Load	Asphalt
Evergreen Recycling	5	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, June 17, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	71 - 81
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.32"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Pumping well development water from frac tank through Oil/Water Separator
  - Requested additional work area on RAD I was advised that they would "move a few vehicles around" to free up a trench segment.
- Transit Corp. :
  - Began placing and compacting final layer of asphalt in work area 2 on RAD II
  - Installed 4" VER piping in trench from TF-6C to TF-6D
  - Modified TF-6C and TF-6D well heads. TF-6D was installed as a low point drain
  - Backfilled trench from TF-6C to TF-6D with onsite soil

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	7	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no access to RAD I for additional trenching
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, June 18, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	67 - 71
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.32"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client	1		
GEOD	Surveyor			1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter throughout the day
  - Finished pumping well development water from frac tank through Oil/Water Separator
- **Transit Corp. :**
  - Loaded broken asphalt on RAD I for removal
  - Saw cut edges of trench from TF-6B to TF-6D and TF-7C to TF-7D
  - Set TF-6C and TF-6D well vaults to elevation and set in concrete
  - Placed and compacted base layer of asphalt in trench from TF-6C to TF-6D
  - Excavated trench from TF-6B to TF-6C
  - Installed 4" VER piping in trench from TF-6B to TF-6C
  - Backfilled trench from TF-6B to TF-6C with gravel and onsite soil
  - Removed asphalt from trench segment from TF-7C to TF-7D

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	1	Load	Asphalt
NYCON	2	cy	Concrete – 5000 psi



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, June 19, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	69 - 85
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.32"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	4
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter throughout the day
- **Transit Corp. :**
  - Placed and compacted base layer of asphalt in trench from TF-6B to TF-6C
  - Placed and compacted final layer of asphalt in trench from TF-6B to TF-6D
  - Excavated trench from TF-7C to TF-7D
  - Installed 4" SVE pipe and 6" HDPE sleeve in trench from TF-7C to TF-7D
  - Modified TF-7D well head
  - Backfilled trench from TF-7C to TF-7D with gravel and onsite soil
  - Backfilled trench from 21B to Hose Vault

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	3	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, June 22, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	74 - 88
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.76"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	W

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- **Transit Corp. :**
  - Set elevations for S-1, S-2, and tank foundations
  - Removed asphalt from tank foundation area
  - Began excavation for equipment trailer footings

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Evergreen Recycling	1	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, June 23, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	78 - 91
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.76"
<b>WIND SPEED:</b>	7 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	1		
Special Inspector	Compaction Testing			1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Continued excavation for equipment trailer footings
  - Placed and compacted DGA in tank foundation area on RAD II
  - Tested compaction of soil for tank foundation and equipment trailer footings
  - Placed fabric and stone for equipment trailer footings
  - Began to set forms to pour concrete for tank foundation
  - Excavated Southwest corner of RAD II along Preston Ave and placed soil in work area 3 on RAD II for backfill
  - Placed and compacted base layer of asphalt in trench from TF-7C to TF-7D

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen Recycling	2	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, June 24, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	69 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.98"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WNW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	10
DeMaximis	Client			
Special Inspector	Concrete Inspection			1
ABC Tank Cleaners	Frac Tank Cleaning		1	2
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Frac tank was decontaminated
- Transit Corp. :
  - Began to grade work area 3 on RAD II
  - Raised monitoring well GAL-29 to elevation
  - Continued to set forms to pour concrete for tank foundation
  - Placed and compacted stone in tank foundation area
  - Excavated trench from S-1B to S-1E
  - Installed 4" HDPE sleeves in S-1 trench
  - Installed rebar in footing for the equipment trailers
  - Began to set rebar in concrete for the equipment trailers
  - Concrete and rebar were inspected and approved

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen Recycling	2	Load	DGA
NYCON	5	cy	Concrete – 5000 psi



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, June 25, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	71 - 84
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.98"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	11
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Backfilled trench from S-1B to S-1E
  - Modified S-1B, S-1C, S-1D, and S-1E well heads
  - Set S-1(C-E) well vaults in concrete
  - Set rebar for the equipment trailer footings in concrete
  - Installed TF-7D well vault to elevation and set in concrete
  - Installed rebar for tank foundation pad
  - Began to excavate trench from Hose Vault to TE1

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen Recycling	1	Load	DGA
NYCON	8	cy	Concrete – 5000 psi

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, June 26, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	73 - 81
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	5.98"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	10
DeMaximis	Client			
Special Inspector	Concrete Inspection			1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Placed and compacted final layer of asphalt from TF-7C to TF-7D
  - Poured concrete for tank foundation
  - Continued to excavate trench from Hose Vault to TE-1
  - Installed two sumps in SVE piping near Hose Vault
  - Continued installing 4" SVE piping and 6" HDPE sleeves from Hose Vault to TE-1

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
NYCON	25	cy	Concrete – 5000 psi

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- Kevin McGuinness (AMEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, June 29, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	65-77
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	7.16"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Removed Frac Tank
- Transit Corp. :
  - Strip forms from tank pad and place fill to grade
  - Excavated trench from S-1B to S-1A
  - Installed HDPE sleeves in trench from S-1B to S-1A
  - Set Hose Vault to elevation and began backfilling trench segment 1
  - Excavated trench from S-1A to TE-1, 2 and installed HDPE sleeves
  - Raised monitoring well GAL-30 to elevation

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen	70	cy	DGA
Evergreen	70	cy	50-50 Fill
	35	cy	Pea Gravel

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Meet with RAD I tenant to discuss proposed phasing plan. Tenant working to deliver next work area in north east corner of parking area. Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, June 30, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	70 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	7.16"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	W

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	9
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Set S-1(A-B) well vaults to elevation
  - Set Hose Vault, S-1A, and S-1B well vaults in concrete
  - Set monitoring well GAL-29 in concrete
  - Placed and compacted DGA in work area 3 on RAD II
  - Continued Installing 4" SVE piping and 6" HDPE sleeves from Hose Vault to TE-1
  - Continued backfilling trench from Hose Vault to TE-1
  - Began excavating S-3 trench starting at S-3E
  - Work area 1 on RAD I is now empty and returned to the tenant

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
NYCON	3	cy	Concrete – 5000 psi
Evergreen Recycling	3	Load	DGA



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, July 1, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy, Light Rain	<b>TEMPERATURE:</b>	71 - 83
<b>PRECIPITATION:</b>	0.01"	<b>CUMULATIVE FOR MONTH:</b>	0.23"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	10
DeMaximis	Client			
Electrician	Electrical		1	2
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at perimeter throughout the day
- Transit Corp. :
  - Continued excavating trench from S-3E to S-3D
  - Began installing 4" HDPE sleeves in trench from S-3E to S-3D
  - Modified S-3E well head
  - Raised monitoring well GAL-31 to elevation and set in concrete
  - Set S-3E well vault to elevation
  - Set S-3E well vault in concrete
  - Placed and compacted DGA in work area 3 on RAD II
  - Electrician installed electrical conduit for equipment trailers
  - Began placing and compacting base layer of asphalt in work area 3 on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
NYCON	1	cy	Concrete – 5000 psi
Green Asphalt	5	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meetings with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, July 2, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	72 - 82
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.23"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client	1		
Electrician	Electrical		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Continued grading area around equipment trailers with onsite soil
  - Electrician installed electrical conduit for equipment trailers
  - Continued placing and compacting base layer of asphalt in work area 3 on RAD II
  - Placed and compacted final layer of asphalt in work area 3 on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	9	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, July 6, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	73 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.24"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	ESE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client			
Electrician	Electrical			1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Continued grading area around equipment trailers with imported fill material
  - Continued to install 4" HDPE sleeve in trench from S-3E to S-3D
  - Continued to install electrical conduit from equipment trailers

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Evergreen Recycling	105	cy	Imported fill

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, July 7, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	76 - 89
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.24"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter throughout the day
- Transit Corp. :
  - Continued grading area around equipment trailers with imported fill material
  - Placed and compacted DGA for the foundation of the equipment trailers

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, July 8, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	78 - 89
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.24"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client			
Clean Venture	Drum removal			1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Removed remaining drums from site
- Transit Corp. :
  - Began installing base plates for equipment trailers and storage tanks
  - Continued excavating trench from S-3D to S-3C
  - Installed 4" HDPE sleeve in trench from S-3D to S-3C
  - Raised monitoring well GAL-08
  - Began excavating and grading area around S-2D
  - Placed and compacted base layer of asphalt for equipment trailers

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	1	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, July 9, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy, Light Rain	<b>TEMPERATURE:</b>	68 - 79
<b>PRECIPITATION:</b>	0.03"	<b>CUMULATIVE FOR MONTH:</b>	0.33"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	9
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter throughout the day
- Transit Corp. :
  - Continued installing base plates for equipment trailers and storage tanks
  - Grouted base plates for installation of equipment trailers and storage tanks
  - Backfilled trench from S-3E to S-3D with onsite soil
  - Raised monitoring well GAL-06
  - Graded work area 4 with onsite soil
  - Continued excavating and grading area around S-2 trench
  - Placed and compacted final layer of asphalt for equipment trailers

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	1	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- Tim Kessler (AMEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, July 10, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	73 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.66"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client	1		
Cranes, Inc.	Crane		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter throughout the day
  - Two equipment trailers, two storage tanks, and filter containers were delivered
- Transit Corp. :
  - Set equipment trailers on footings
  - Installed additional base plates for storage tanks
  - Set storage tanks on concrete pad
  - Welded tanks and trailers to base plates

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Storage tanks arrived onsite with design error. Tim Kessler spoke with Highland tanks to confirm structural requirements. Please see Tim's notes for details

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, July 13, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	76 - 87
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.66"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Uncovered VER piping from hose vault and prepared to connect to equipment trailer (TE-1)
  - Moved filters, hoses, and equipment from work area 4 on RAD II in preparation for trenching operations
  - Set elevations for S-2 and S-3 trenches

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, July 14, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	74 - 82
<b>PRECIPITATION:</b>	0.36"	<b>CUMULATIVE FOR MONTH:</b>	1.02"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Began installing 90 degree elbow piping to equipment trailer (TE-1)
  - Excavated trench from S-2D to S-2E
  - Broke up and removed concrete slab near S-2D

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, July 15, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy, Rain	<b>TEMPERATURE:</b>	75 - 81
<b>PRECIPITATION:</b>	0.06"	<b>CUMULATIVE FOR MONTH:</b>	1.08"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at perimeter throughout the day
- Transit Corp. :
  - Excavated trench from S-2E to S-3A
  - Excavated trench from S-3A to S-3B
  - Installed 4" HDPE sleeves in trenches from S-2E to S-3A and S-3A to S-3B
  - Modified S-2D, S-2E, S-3A well heads

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller (5/15/15) Offsite (7/1/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, July 16, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	65 - 78
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.08"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Excavated trench from S-3B to S-3C
  - Installed 4" HDPE sleeves in trench from S-3B to S-3C
  - Set S-2D, S-2E, and S-3D well vaults to elevation
  - Backfilled trenches from S-2E to S-3A and S-3A to S-3B
  - Modified S-3B and S-3C well heads

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, July 17, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	68 - 79
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.08"
<b>WIND SPEED:</b>	7 MPH	<b>WIND DIRECTION:</b>	SE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Backfilled trench from S-3B to S-3C
  - Placed and compacted DGA in work area 4 on RAD II

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Evergreen Recycling	3	Load	DGA



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, July 20, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	83 - 94
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.37"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Placed and compacted DGA in work are 4 on RAD II
  - Placed and compacted base layer of asphalt in work are 4 on RAD II
  - Broke up concrete removed from S-2 trench and placed in dumpster for removal
  - Set S-3D and S-3E well vaults in concrete

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	6	Load	Asphalt
NYCON	2	cy	Concrete

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Kevin Cornell and John Rolfe met with RAD I tenant to discuss access for work on the TF-7 line and the force main connection to the sewer

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, July 21, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	83 - 95
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.37"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Excavated trenches from S-2C to TE-2 and S-3A to S-2A
  - Installed 4" HDPE sleeves in trench from S-2C to S-2B and 6" HDPE sleeves in trench from S-2A to S-1A
  - Backfilled trench from S-2C to S-2B and trench from S-3C to S-3D with onsite soil
  - Modified S-2C well head
  - Set S-3B and S-3C well vaults to elevation

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen Recycling	1	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- Joe Lewandowski (AMEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, July 22, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	71 - 85
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.37"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	NW

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client	1		
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- **Transit Corp. :**
  - Installed 4" HDPE sleeves in trench from S-2B to S-2A and 6" HDPE sleeves in trench from S-3A to S-2A
  - Backfilled trench from S-2B to S-2A with onsite soil
  - Modified S-2B well head
  - Placed and compacted final layer of asphalt in work area 4 on RAD II
  - Installed Force Main pipe from TE-2 to S-3A

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	6	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meeting with Transit Corp
- Kevin Cornell, John Rolfe, and Brian Davidson met with Alan Dern to discuss RAD I access

## **VISITORS ON SITE**

- Brian Davidson (NYSDEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, July 23, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	71 - 84
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.37"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
Electrician	Electrical		1	1
Plumber	Plumbing		1	
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Excavated trench from S-3A to North Crossing Vault
  - Installed 6" HDPE sleeves in trench from S-3A to North Crossing Vault
  - Backfilled trench from S-3A to North Crossing Vault with onsite soil
  - Modified S-2A well head
  - Set S-2A, S-2B, and S-2C well vaults to elevation
  - Installed Force Main pipe from S-3A to North Crossing Vault
  - Backfilled trenches from S-3A to S-2A and from S-2A to TE-2 with onsite soil
  - Set S-2(A-C) and S-3(B-D) well vaults in concrete
  - Set monitoring well GAL-30 in concrete
  - Began grading area around equipment trailers and placing and compacting DGA

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen Recycling	2	Load	DGA



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, July 24, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	72 - 85
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.37"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
Electrician	Electrical		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Set S-3A well vault to elevation
  - Set monitoring wells GAL-09 and GW-1 to elevation
  - Continued grading area around equipment trailers and tank pad
  - Continued placing and compacting DGA in work area 4 on RAD II
  - Electrician installed ground wire to storage tanks

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Evergreen Recycling	2	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, July 27, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	75 - 87
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.39"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	SE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1	1	4
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Installed total fluid and air hoses in HDPE sleeves in trench segments 6, 7, and 8
- **Transit Corp. :**
  - Continued placing and compacting DGA in work area 4 on RAD II
  - Began placing and compacting base layer of asphalt in work area 4 on RAD II
  - Began connecting VER piping from hose vault to TE-1

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	3	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- Tom Whitacre (AMEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, July 28, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	78 - 93
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.39"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	N

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	4
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client	1		
Electrician	Electrical			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Installed total fluid and air hoses in HDPE sleeves in trench segments 38, 40, 41, 42, 43, and 53
- **Transit Corp. :**
  - Continued placing and compacting DGA in work area 4 on RAD II
  - Continued placing and compacting base layer of asphalt in work area 4 on RAD II
  - Began placing and compacting final layer of asphalt in work area 4 on RAD II
  - Continued connecting VER piping from hose vault to TE-1 and TE-2

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	7	Load	Asphalt
Evergreen Recycling	1	Load	DGA

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- John Rolfe met with Alan Dern to gain access to RAD I. Alan is requesting written notice explaining what areas will be impacted and a timeframe for the work
- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, July 29, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	82 - 95
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.39"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	4
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing		1	1
GEOD	Surveyor		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Installed total fluid and air hoses in HDPE sleeves in trench segments 1, 2, 44, 45, and 46
  - Surveyed completed well vaults and well casings
- Transit Corp. :
  - Continued placing and compacting base layer of asphalt in work area 4 on RAD II
  - Continued placing and compacting final layer of asphalt in work area 4 on RAD II
  - Continued connecting VER piping from hose vault to TE-1 and TE-2
  - Began connecting plumbing to storage tanks and equipment trailers
  - Set S-3A well vault and monitoring wells GAL-06, GAL-08, GAL-09, and GW-1 in concrete
  - Raised monitoring well MW-11 to elevation

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	3	Load	Asphalt



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- Tom Whitacre (AMEC)

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, July 30, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	79 - 88
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.39"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	4
Transit Corp.	Subcontractor	1	1	1
DeMaximis	Client	1		
Electrician	Electrical		1	3
Plumber	Plumbing			
GEOD	Surveyor		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Installed total fluid and air hoses in HDPE sleeves in trench segments 39, 47, 48, 49, 50, 51, 52, and 54
  - Surveyed completed well vaults and well casings and marked out fence locations
- Transit Corp. :
  - Began installing insulation on VER piping from hose vault to TE-1
  - Began connecting vents and piping to equipment trailers

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, July 31, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	76 - 88
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	2.21"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NW

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	4
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- **Amec:**
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Installed total fluid and air hoses in HDPE sleeves in trench segment 21
- **Transit Corp. :**
  - Continued placing and compacting asphalt in work area 4 on RAD II
  - Connected force main to TE-2
  - Continued connecting pipes to equipment trailers

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>
Green Asphalt	7	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, August 3, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	77 - 90
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
Electrician	Electrical		1	2
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
- Transit Corp. :
  - Finished paving work area 4 on RAD II
  - Continued connecting pipes to equipment trailers
  - Set MW-11 to elevation
  - Electrician began wiring equipment trailers and installed heat trace to HDPE sleeves

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Green Asphalt	10	Load	Asphalt

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, August 4, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	73 - 90
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.18"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client			
Electrician	Electrical		1	2
Plumber	Plumbing		1	1
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
- Transit Corp. :
  - Moved piping supplies to 90' x 90' area on RAD II for storage
  - Marked out fence post locations and saw cut asphalt
  - Began to dig holes for fence posts
  - Plumber continued installing plumbing from equipment trailers to storage tanks
  - Electrician continued to install wiring to equipment trailers

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- AMEC and DeMaximis meet with Alan Dern and David Kushner to discuss RAD I access

## **VISITORS ON SITE**

- Brent ODell (AMEC)
- Craig Coslett (DeMaximis)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, August 5, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	75 - 86
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.18"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	1
Transit Corp.	Subcontractor	1	1	1
DeMaximis	Client			
Electrician	Electrical		1	2
Plumber	Plumbing		1	1
GEOD	Surveyor		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Gauged recovery and monitoring wells on RAD II
  - Surveyed monitoring wells on RAD II
- Transit Corp. :
  - Moved vaults and supplies to 90' x 90' area on RAD II for storage
  - Continued to dig holes for fence posts
  - Attempted to locate GAL-20 but was unsuccessful. Backfilled the area with concrete
  - Set MW-11 in concrete
  - Set bolt for guide wire of stack on equipment trailer in concrete
  - Plumber continued installing plumbing from equipment trailers to storage tanks
  - Electrician continued to install wiring to equipment trailers

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, August 6, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	71 - 81
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.18"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	3
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client			
Electrician	Electrical		1	2
Plumber	Plumbing			
GEOD	Surveyor		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Began to install well vault assemblies on RAD II and connect product and air hoses
  - Gauged recovery and monitoring wells on RAD I
  - Surveyed asphalt dimensions on RAD II
- Transit Corp. :
  - Continued to dig holes for fence posts
  - Began to install stack on equipment trailer and connect guide wire
  - Electrician continued to install wiring to equipment trailers
  - Began to clear brush in area around S-4B and along railroad tracks

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, August 7, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	70 - 81
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.18"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	3
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client			
Electrician	Electrical		1	2
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Continued to install well vault assemblies on RAD II and connect product and air hoses
- Transit Corp. :
  - Continued to dig holes for fence posts
  - Electrician continued to install wiring to equipment trailers
  - Continued to clear brush in area around S-4B and along railroad tracks

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, August 10, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	71 - 82
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.18"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	3
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter
  - Continued to install well vault assemblies on RAD II and connect product and air hoses
- Transit Corp. :
  - Continued to dig holes for fence posts
  - Modified well vaults for RAD I

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Meeting with Transit Corp to discuss schedule for RAD I. Plan to mobilize on 8/12/15

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, August 12, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	72 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.05"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	1
Transit Corp.	Subcontractor		1	2
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work area
  - Performed system checks on treatment system
- Transit Corp. :
  - Began to saw cut asphalt for concrete curb along Preston Avenue
  - Modified well vaults for RAD I

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching
- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- Randy Bindas (NES)

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, August 13, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	69 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.05"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		3
Transit Corp.	Subcontractor		1	2
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Did not monitor VOC levels at the perimeter because there were no scheduled intrusive activities
  - Performed system checks on treatment system
- Transit Corp. :
  - Continued to saw cut asphalt for concrete curb along Preston Avenue
  - Modified well vaults for RAD I

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- Randy Bindas (NES)

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, August 14, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	71 - 85
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.05"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	SSE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		2
Transit Corp.	Subcontractor			2
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Did not monitor VOC levels at the perimeter because there were no scheduled intrusive activities
  - Installed skimmer pumps in wells on RAD II
- Transit Corp. :
  - Set up forms to pour concrete curb along Preston Avenue

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Still no reasonable access to RAD I for additional trenching

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, August 17, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	79 - 94
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.05"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	4
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client	1		
Electrician	Electrical			1
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Continued to install pumps on RAD II and perform system tests
- Transit Corp. :
  - Continued to dig holes for fence posts using auger
  - Continued to set forms for concrete curb along Preston Ave fence on RAD II
  - Moved dumpsters from CAC parking lot
  - Began excavating trench segments 33 and 34 on RAD I
  - Electrician continued to install electrical wiring for equipment trailers

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Craig Coslett and Gary Bisogno spoke with James to get dumpsters moved from CAC parking lot and discuss schedule of RAD I work

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, August 18, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	78 - 90
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.32"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
- Transit Corp. :
  - Set fence posts in concrete
  - Poured concrete for curb along Preston Ave on North end of RAD II
  - Continued to set forms for concrete curb along Preston Ave on South end of RAD II
  - Installed 4" HDPE sleeves in trench segments 33 and 34 on RAD I
  - Modified S-4A well head and set well vault to elevation
  - Backfilled trench segments 33 and 34 with onsite soil
  - Excavated trench segments 31 and 32 on RAD I. Building foundation around TF-7E caused the trench to be re-routed
  - Iron workers installed supports for piping from equipment trailer to storage tanks

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:45 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, August 19, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	77 - 85
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.32"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	2
Transit Corp.	Subcontractor	1	1	4
DeMaximis	Client			
Electrician	Electrical		1	1
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Continued to install pumps on RAD II
- Transit Corp. :
  - Installed 4" VER piping in trench segments 31 and 32 on RAD I up to CAC property line
  - Modified TF-7E well head as low point drain and set well vault to elevation
  - Backfilled trench segments 31 and 32 with onsite soil up to CAC property line
  - Completed connection between S-4A and S-4B and backfilled trench
  - Placed and graded RAD I soil from trenches to area around S-4B and along railroad tracks
  - Electrician continued to work on electricity to equipment trailers

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis
- RAD I tenant began to move movie trailers to RAD II to make room for trenching operations

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, August 20, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	78 - 87
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.32"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at perimeter of work area
  - Continued to test system and confirm pumps are working properly on RAD II
- Transit Corp. :
  - Placed and compacted DGA in trench segments 31, 32, 33, and 34 on RAD I
  - Placed and compacted asphalt in trench segments 31, 32, 33, and 34 on RAD I
  - Continued to set forms for concrete curb on the southern end of RAD II along Preston Ave
  - Set S-4A well vault in concrete
  - Poured concrete for curb on southern end of RAD II along Preston Ave

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- RAD I tenant began to relocate vehicles from Northeast corner of RAD I to make room for trenching operations. Only 20% of the area was available today and the remainder will be available tomorrow. Transit Corp was forced to shut down for 4 hours until the entire area is available. DeMaximis was notified of the delay

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, August 21, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	72 - 85
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.76"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at perimeter of work area
  - Monitored treatment system
- Transit Corp. :
  - Excavated trench segments 57, 58 and 65 on RAD I
  - Installed 4" HDPE sleeve in trench segments 57, 58, and 65 on RAD I
  - Backfilled trench segments 57, 58, and 65 with onsite soil
  - Modified S-5B and S-5C well head
  - Set S-5B and S-5C well vaults to elevation
  - Set TF-7E well vault in concrete

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, August 24, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	73 - 86
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.76"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system was shut down due to leaks in the piping
- Transit Corp. :
  - Excavated trench segments 56, 62 and 64 on RAD I
  - Saw cut edges of asphalt
  - Modified S-6(B & C) well heads
  - Set S-6(B & C) well vaults to elevation
  - Set S-5(B & C) and S-6(B & C) well vaults in concrete
  - Began to pave trench segment 58

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, August 25, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	76 - 86
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.76"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	7
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is still shut down due to leaks in the piping
- Transit Corp. :
  - Installed 4" HDPE sleeves in trench segments 56, 62 and 64 on RAD I
  - Installed 2" sewer discharge line from North crossing vault to S-6A
  - Backfilled trench segments 56, 62, and 64 on RAD I
  - Saw cut edges of asphalt
  - Modified S-5A and S-6A well heads
  - Set S-5A and S-6A well vaults to elevation
  - Set S-5A and S-6A well vaults in concrete
  - Paved trenches on RAD I

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Meeting with AMEC and Transit Corp to discuss RAD I schedule

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, August 26, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	70 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.76"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is still shut down due to leaks in the piping
- Transit Corp. :
  - Excavated trench segment 61 on RAD I
  - Installed 4" HDPE sleeves in trench segment 61 on RAD I
  - Backfilled trench segment 61 on RAD I
  - Began to install fence around Storage tanks on RAD II
  - Saw cut edges of asphalt
  - Modified S-5D and S-5E well heads
  - Set S-5D and S-5E well vaults to elevation
  - Paved trench segment 61 on RAD I
  - Finished paving trenches in the Northeast corner on RAD I
  - Moved soil from RAD I trenches to stockpile area between S-8A and building

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, August 27, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	68 - 78
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.76"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is still shut down due to leaks in the piping
- Transit Corp. :
  - Excavated trench segments 59 and 60 on RAD I
  - Installed 4" HDPE sleeves in trench segments 59 and 60 on RAD I
  - Backfilled trench segments 59 and 60 on RAD I
  - Continued to install fence around Storage tanks on RAD II
  - Saw cut edges of asphalt
  - Paved trench segments 59 and 60 on RAD I
  - Moved soil from RAD I trenches to stockpile area between S-8A and building

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, August 28, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	66 - 81
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.76"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	1
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client	1		
Electrician	Electrical		1	
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is still shut down due to leaks in the piping
- Transit Corp. :
  - Excavated trench segments 66 and 67 on RAD I
  - Installed 4" HDPE sleeves in trench segments 66 and 67 on RAD I
  - Backfilled trench segments 66 and 67 on RAD I
  - Installed ventilation stack on equipment trailer on RAD II and secured with guide wires
  - Saw cut edges of asphalt along trenches
  - Paved trench segments 66 and 67 on RAD I
  - Modified S-6D and S-6E well heads
  - Set S-5D, S-5E, S-6D, and S-6E well vaults in concrete
  - Electrician installed more heat trace on HPDE sleeves containing product piping leading into equipment trailers
  - Moved soil from RAD I trenches to stockpile area between S-8A and building

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Kevin Cornell met with Alan Dern and Craig Coslett to discuss progress and remaining work

## **VISITORS ON SITE**

- Brent O'Dell and Kinjal Shah (AMEC FW), Craig Coslett (DeMaximis)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, August 31, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	77 - 87
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.81"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is still shut down due to leaks in the piping
- Transit Corp. :
  - Excavated trench segments 69 and 70 on RAD I
  - Installed 4" HDPE sleeves in trench segments 69 and 70 on RAD I
  - Backfilled trench segments 69 and 70 on RAD I
  - Saw cut edges of asphalt along trenches
  - Paved trench segments 69 and 70 on RAD I
  - Modified S-7A and S-8A well heads
  - Set S-8A well vault to elevation
  - Moved soil from RAD I trenches to stockpile area between S-8A and building

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- AMEC notified Craig Coslett that vehicles were not moved as scheduled which caused Transit Corp to move to different work areas on RAD I

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, September 1, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	78 - 87
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is still shut down due to leaks in the piping
- Transit Corp. :
  - Saw cut trench segments 72, 74, and 75 on RAD I
  - Excavated trench segments 72 and 75 on RAD I
  - Installed 4" HDPE sleeves in trench segment 72 on RAD I
  - Backfilled trench segment 72 on RAD I
  - Paved trench segment 72 on RAD I
  - Modified S-7D well head
  - Set S-7D well vault to elevation
  - Moved soil from RAD I trenches to stockpile area between S-8A and building
  - Installed Force Main 2" flex hose in trench under Preston Ave

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:30 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- AMEC notified Craig Coslett that vehicles were not moved as scheduled which caused Transit Corp to move to different work areas on RAD I

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, September 2, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	76 - 88
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	8
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing		1	1
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system.
- Transit Corp. :
  - Excavated trench segments 63 and 68 on RAD I
  - Installed 4" HDPE sleeves in trench segments 68 and 75 on RAD I
  - Backfilled trench segments 63, 68, and 75 on RAD I
  - Paved trench segments 63, 68, and 75 on RAD I
  - Modified S-7C and S-8D well heads
  - Set S-7C and S-8D well vaults in concrete
  - Moved soil from RAD I trenches to stockpile area between S-8A and building
  - Installed 2" Force Main in trench 63 and connected it to sewer line
  - Installed fence gate around storage tanks
  - Plumber fixed leaks in product line from equipment trailers to storage tanks

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, September 3, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	76 - 90
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system.
- Transit Corp. :
  - Excavated trench segment 74 on RAD I
  - Installed 4" HDPE sleeves in trench segment 74 on RAD I
  - Backfilled trench segment 74 on RAD I
  - Paved trench segment 74 on RAD I
  - Modified S-8B and S-8C well heads
  - Set S-8B and S-8C well vaults to elevation
  - Moved soil from RAD I trenches to stockpile area between S-8A and building
  - Installed portion of force main inside sanitary sewer manhole

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- Craig Coslett (DeMaximis) and Brian Davidson (NYSDEC)

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, September 4, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	76 - 80
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system.
- Transit Corp. :
  - Excavated trench segment 73 on RAD I
  - Installed 4" HDPE sleeves in trench segment 73 on RAD I
  - Backfilled trench segment 73 on RAD I
  - Paved trench segment 73 on RAD I
  - Modified S-7B well head
  - Set S-7B, S-8A, S-8B, and S-8C well vaults in concrete
  - Installed PVC pipe around insulation on HDPE Sleeves entering TE-1 and placed gravel around pipes
  - Moved soil from RAD I trenches to stockpile area between S-8A and building
  - Removed 4 dump trailer loads of soil and sent to CCCV

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, September 8, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Clear	<b>TEMPERATURE:</b>	75 - 93
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	3 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1		1
Transit Corp.	Subcontractor	1	1	6
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system.
- Transit Corp. :
  - Excavated trench segment 71 on RAD I
  - Installed 4" HDPE sleeves in trench segment 71 on RAD I
  - Backfilled trench segment 71 on RAD I
  - Paved trench segment 71 and 73 on RAD I
  - Pour well vault pads S-7A and S-7B
  - Began to install insulation on product piping to storage tanks on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, September 9, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	76 - 89
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	WSW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	1
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system
  - Removed product from secondary containment tank in TE-1
  - Installed a 90 degree elbow in product line entering TE-1 from total fluid wells
- Transit Corp. :
  - Paved areas around S-7A and S-7B well vaults on RAD I
  - Installed asphalt curb along Phoenix Beverage property line on RAD II
  - Backfilled and compacted excavation next to TE-1 with DGA
  - Paved excavation next to TE-1

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meetings with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, September 10, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Intermittent Rain	<b>TEMPERATURE:</b>	71 - 76
<b>PRECIPITATION:</b>	0.34"	<b>CUMULATIVE FOR MONTH:</b>	1.58"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor	1		
Transit Corp.	Subcontractor		1	3
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Perimeter air monitoring not performed due to weather
  - Monitored treatment system.
- Transit Corp. :
  - Load out excess RAD I fill on CVCC trucks 4 loads 6- 8 am. 2 addition loads complete by noon.
  - Work on insulation and pipe jackets on TE-1,2

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite 8/14/15)
- (8/20/15)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, September 11, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	67 - 78
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.61"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	2
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system
- Transit Corp. :
  - Continued to install insulation on product piping to storage tanks on RAD II
  - Installed 4" flex hose through south crossing vaults under Preston Ave
  - Attempted to pressure test force main pipe. 90 degree elbow outside of TE-2 needs to be replaced

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, September 14, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	59 - 73
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	3
Transit Corp.	Subcontractor	1	1	1
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system
  - Began installing assemblies in well vaults on RAD I
- Transit Corp. :
  - Continued to install insulation on product piping to storage tanks on RAD II
  - Installed manhole cover on North crossing vault on RAD I and set in concrete
  - Moved carbon vessels next to TE-1

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, September 15, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	65 - 82
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	W

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	3
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	2		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system
  - Continued installing hoses in well vaults on RAD I in trench segments 33, 34, 69, 70, 71, 73, 74, and 75
  - Started pumping product from line S-1, S-2, and S-3
- Transit Corp. :
  - Installed manhole covers on the North and South crossing vaults on RAD II
  - Backfilled area around North crossing vault on RAD I
  - Paved area around North crossing vault on RAD I

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, September 16, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	68 - 86
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	1 MPH	<b>WIND DIRECTION:</b>	SE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	3
Transit Corp.	Subcontractor			
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Monitored treatment system
  - Continued installing hoses in well vaults on RAD I in trench segments 56, 57, 58, 61, 62, 64, 65, 66, 67, 68, and 72
- Transit Corp. :
  - No workers onsite today

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, September 17, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	70 - 87
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	3
Transit Corp.	Subcontractor	1	1	1
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system was shut down
  - Continued installing hoses in well vaults on RAD I in trench segments 25, 26, 30, 31, and 60
- Transit Corp. :
  - Continued to install insulation on product piping between TE-1 and TE-2
  - Fixed force main connection next to TE-2
  - Attempted to pressure test force main. There are still air leaks in the force main line

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION
Kuriyama	100	4	1.5" product hose

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, September 18, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	69 - 86
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	1 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	3
Transit Corp.	Subcontractor	1	1	1
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system is shut down
  - Continued installing assemblies in well vaults on RAD I
  - Moved drums of chemicals into TE-2
- Transit Corp. :
  - Continued to repair leaks in force main line in order to pressure test
  - Moved carbon vessels into final location next to TE-1

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, September 21, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	59 - 69
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	3	1	
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	2		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system is shut down
- Transit Corp. :
  - Continued to repair leaks in force main line in order to pressure test
  - Cleaned well vault lids
  - Installed insulation on top of well vaults
  - Repaired fence around electrical panel on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 8:30 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, September 22, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	61 - 69
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	2
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system is shut down
  - Installed well assemblies in vaults on RAD I
  - GEOD survey well vaults and trenches on RAD I
- Transit Corp. :
  - Capped force main line in sewer manhole in order to pressure test. Pressure test still failed. Will discuss re-excavating to install brass fittings
  - Cleaned well vault lids
  - Installed insulation on top of well vaults
  - Began pressure testing SVE lines (1-5)
  - Performed general housekeeping on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, September 23, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	60 - 75
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor	1	1	2
Transit Corp.	Subcontractor		1	
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system is shut down
  - Installed well assemblies in vaults on RAD I
  - Installed product and air hoses in trench segments 22, 27, and 59
  - GEOD surveyed well vaults and trenches on RAD I
- Transit Corp. :
  - Continued pressure testing SVE lines (1-5)

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kevin Cornell



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, September 24, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	64 - 79
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor		1	
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system is shut down
  - GEOD surveyed well vaults and trenches on RAD I
- Transit Corp. :
  - Continued pressure testing SVE lines (1-5)
  - Added turnbuckles to guy wires on exhaust stack

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:30 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, September 25, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	64 - 72
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor		1	1
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system is shut down
  - Site meeting with driller to discuss SOW for monitoring well installation
- Transit Corp. :
  - Continued pressure testing SVE lines (1-5)
  - Added turnbuckles to guy wires on exhaust stack

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- Bill Weber and Eric Weinstock (AMEC)

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, September 28, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	65 - 76
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	2
Transit Corp.	Subcontractor			
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller			
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Monitored VOC levels at the perimeter of the work zone
  - Monitored treatment system. Treatment system is shut down
  - Prepared oil/water separator to sample discharge water
- Transit Corp. :

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:15 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to non-intrusive activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, September 29, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	72 - 83
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.80"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor		1	1
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	1
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is shut down
  - Installed monitoring wells AML-01 and GAL-11R
- Transit Corp. :
  - Connected SVE hoses in SXA

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 7:00 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- David Side (AMEC)

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, September 30, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Light Rain	<b>TEMPERATURE:</b>	74 - 79
<b>PRECIPITATION:</b>	0.01"	<b>CUMULATIVE FOR MONTH:</b>	2.01"
<b>WIND SPEED:</b>	4 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	2
Transit Corp.	Subcontractor			
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	1
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with AARCO.
  - Performed oversight of construction activities
  - Monitored treatment system. Treatment system is shut down
  - Set outer casing for installation of monitoring wells GAGW-05R and GAGW-08R
  - Modified and installed assemblies in well vaults on RAD I & II
- Transit Corp. :

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:30 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring today due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with Transit Corp and DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, October 1, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	55 - 62
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	0.00"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	NNE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor			
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	1
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with AARCO.
  - Performed oversight of construction activities
  - Performed perimeter air monitoring
  - Monitored treatment system. Treatment system is shut down
  - Installed monitoring well GAGW-08R
- Transit Corp. :

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:30 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, October 2, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Rain	<b>TEMPERATURE:</b>	50 - 52
<b>PRECIPITATION:</b>	0.26"	<b>CUMULATIVE FOR MONTH:</b>	0.39"
<b>WIND SPEED:</b>	6 MPH	<b>WIND DIRECTION:</b>	NNE

<b>CONTRACTORS</b>	<b>CLASS OF WORK</b>	<b>SUPERVISION</b>	<b>FOREMAN</b>	<b>LABOR</b>
AMEC	General Contractor		1	3
Transit Corp.	Subcontractor			
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	1
<b>TOTAL</b>				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with AARCO.
  - Performed oversight of construction activities
  - Monitored treatment system. Treatment system is shut down
  - Installed monitoring well GAGW-05R and GAL-04R
  - Installed total fluid pumps and prepared treatment system for operation and sampling
  - Modified well casings and assemblies in well vaults on RAD I & II
- Transit Corp. :

**MATERIAL RECEIVING**

<b>SHIPPER</b>	<b>QUANTITY</b>	<b>UNITS</b>	<b>DESCRIPTION</b>

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:30 am
  - Reviewed AHAs for daily construction activities
  - No perimeter air monitoring due to weather

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Monday, October 5, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	52 - 62
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.57"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	2
Transit Corp.	Subcontractor	1	1	3
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	2
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp and AARCO.
  - Performed oversight of construction activities
  - Monitored treatment system. Treatment system is shut down
  - Performed perimeter air monitoring
  - Installed monitoring well AML-03, AML-06, and GAL-01RR
  - Installed total fluid pumps and prepared treatment system for operation and sampling
  - Modified well assemblies in well vaults on RAD I & II
- Transit Corp. :
  - Excavated force main to repair. Needed to purchase another part in order to make repair
  - Connected hoses in crossing vaults

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Tuesday, October 6, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Sunny	<b>TEMPERATURE:</b>	55 - 71
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.57"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	3
Transit Corp.	Subcontractor	1	1	4
DeMaximis	Client	1		
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	1
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp and AARCO.
  - Performed oversight of construction activities
  - Monitored treatment system. Total fluid system was turned on and discharge water was sampled
  - Performed perimeter air monitoring
  - Installed monitoring well AML-04 and GAL-18R
  - Set steel outer casing in AMGW-10D
- Transit Corp. :
  - Repaired force main pipe.
  - Pressure tested force main at 9 psi for 1 hour
  - Backfilled force main repair
  - Cleared brush from area behind CAC parking lot in preparation for paving
  - Bolted PVC casing to wall inside sewer manhole

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

| **Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Wednesday, October 7, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	60 - 74
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.57"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	NE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	2
Transit Corp.	Subcontractor			
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	1
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with AARCO.
  - Performed oversight of construction activities
  - Monitored treatment system.
  - Performed perimeter air monitoring
  - Installed monitoring well AMGW-10D
  - Converted MW-4R to TF-7F
  - Installed pumps in TF-6A and TF-7(A & B), leak tested lines, and successfully pumped fluids through treatment system
  - TF-7A and S-8B manifolds were installed
- Transit Corp. :
  - Paved force main repair

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION



## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:15 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- Weekly meeting with DeMaximis

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Thursday, October 8, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Partly Cloudy	<b>TEMPERATURE:</b>	60 - 69
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.57"
<b>WIND SPEED:</b>	2 MPH	<b>WIND DIRECTION:</b>	ESE

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor		1	4
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	3
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp and AARCO.
  - Performed oversight of construction activities
  - Monitored treatment system. Treatment system is shutdown
  - Performed perimeter air monitoring
  - Installed monitoring wells AML-02, GAL-03R, and GAL-05R
  - Developed AML-01, AML-02, AML-06, GAL-11R, GAL-18R, GAGW-08R, AMGW-10D, and TF-7F
  - Repaired well lid on GAL-21
- Transit Corp. :
  - Graded soil pile behind CAC parking lot along railroad tracks
  - Paved area behind CAC parking lot along railroad tracks
  - Saw cut asphalt to excavate TF-7F trench

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:30 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION  
DAILY CONSTRUCTION LOG**

**RAD I, II Site Work & Remediation Construction**

37-30 to 37-80 Review Avenue

Long Island City, New York

**Friday, October 9, 2015**

**Construction Daily Summary Report**

<b>WEATHER:</b>	Cloudy	<b>TEMPERATURE:</b>	62 - 77
<b>PRECIPITATION:</b>	0.00"	<b>CUMULATIVE FOR MONTH:</b>	1.57"
<b>WIND SPEED:</b>	5 MPH	<b>WIND DIRECTION:</b>	SW

CONTRACTORS	CLASS OF WORK	SUPERVISION	FOREMAN	LABOR
AMEC	General Contractor		1	
Transit Corp.	Subcontractor	1	1	5
DeMaximis	Client			
Electrician	Electrical			
Plumber	Plumbing			
GEOD	Surveyor			
AARCO	Driller		1	1
TOTAL				

**Operational Highlights/Problems**

- Amec:
  - Reviewed construction details of planned work with Transit Corp and AARCO.
  - Performed oversight of construction activities
  - Monitored treatment system. Treatment system is shutdown
  - Performed perimeter air monitoring
  - Developed AML-03, AML-04, GAL-01RR, GAL-03R, GAL-04R, GAL-05R, and GAGW-05R
  - Repaired well lid on MW-1
- Transit Corp. :
  - Continued paving area behind CAC parking lot along railroad tracks
  - Excavated trench to TF-7F
  - Installed 4" VER piping in TF-7F trench
  - Modified TF-7F well head
  - Backfilled TF-7F trench
  - Set TF-7F well vault to elevation
  - Paved TF-7F trench
  - Installed insulation on force main near TE-2 and piping entering TE-1
  - Removed asphalt and re-paved near entrance on RAD II

**MATERIAL RECEIVING**

SHIPPER	QUANTITY	UNITS	DESCRIPTION

## **MAJOR EQUIPMENT REMOVED / DELIVERED ON SITE**

- JD 410G Backhoe (4/14/15) Offsite (8/3/15)
- BW 120AD Roller  
(4/14/15) Offsite (5/15/15)  
(5/27/15) Offsite (7/30/15)
- Contractor Office Trailer (4/17/15)
- Oil/Water Separator (4/23/15)
- CAT M318D Excavator  
(5/1/15) Offsite (5/1/15)  
(5/14/15) Offsite (5/15/15)  
(6/1/15) Offsite (7/10/15)  
(8/17/15) Offsite (8/18/15)
- Plate Compactor (5/4/15)
- Plate Compactor (5/26/15) Offsite (8/3/15)
- Air Compressor (5/5/15)
- CAT CB 534C Roller  
(5/15/15) Offsite (7/1/15)  
(7/16/15) Offsite (8/3/15)
- CAT AP-650B Paver (5/15/15) Offsite (7/30/15)
- Grout Pump (6/2/15) Offsite (6/2/15)
- CAT 950S Loader (6/8/15) Offsite (8/14/15)
- (8/20/15) Offsite (9/8/2015)
- Liebherr LTM 1095-5.1 Crane (7/10/15) Offsite (7/10/15)
- Kubota KX080-3 (8/17/15) Offsite (9/8/2015)

## **HEALTH & SAFETY**

- Tailgate Meeting at 6:30 am
  - Reviewed AHAs for daily construction activities

### **Incidents involving construction personnel**

#### **Environmental:**

**Occupational Health:** None Reported

**Safety:** None Reported

**Property damage:** None Reported

**General:** None Reported

## **ISSUES**

### **Health & Safety**

- None

## **GENERAL NOTES**

- None

## **VISITORS ON SITE**

- None

**Reviewed and Approved by:** Kinjal Shah



## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 05/08/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	2	2	2	2	2	0	0
Tranit Corp.	2	3	5	4	4	0	0
DeMaximus	0	1	1	1	0	0	0
		0	0	0	0	0	0
		0	0	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>7</b>	<b>7</b>		

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
N/A	N/A	N/A

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation EucoBond Insulation Adhesive
---------	---

Reviewed	4" DIA 16" Radius Sweep PVC Elbows for sleeves reviewed and approved.
----------	---

#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- Amec: Week ending 5/1/15 Performed construction oversight. Performed Daily Air Monitoring. Well Development complete, one additional round of PCB testing performed.
- Transit Corp: Week ending 5/1/15 completed cutting grade on RAD II Work Area 1 to final elevation for subgrade. Received and stockpiled material to begin trenching and installation of the SVE piping and process tubing sleeves.

##### Scheduled Activities for Current Week

- Amec: Week ending 5/8/15 Performed construction oversight. Performed Daily Air Monitoring.
- Transit Corp: Week ending 5/8/15 excavated east/west trenches for TF-5, TF-4 and TF-3 lines excluding trench segments 12 and 15 which were left open for site access. Installed process tubing sleeves for trench segments 20, 19, 18, 17 and 16. Installed SVE piping for trench segments 20, 19, 18, 17 and 16. Installed well head piping for wells TF-5D, TF-5C, TF-5B, TF-5A, TF-4D, TF-4C and TF-4B.

#### V. Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	none	1	TBD	Pending	Transit Corp. preparing budget estimate for the work

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions

Status: Pending, Submitted, Approved, Rejected

#### VI. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
---------------------	-------------------

<ul style="list-style-type: none"> <li>Plate Compactor</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Materials Delivered</b>	<b>Materials Removed</b>
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, 4" PVC pipe and fitting for SVE piping, 4" gate and globe valves for SVE system, 4" HPDE smooth lined corrugated pipe and fittings for sleeves</li> </ul>	<ul style="list-style-type: none"> <li>4" DIA 24" Radius Sweep PVC Elbows</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
N/A	N/A	N/A	N/A	N/A	N/A

## VII. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- Site visit by NYC Department of Sanitation Environmental Police 5/5/15. AMEC Foster Wheeler needs to send memo to Mr. Thomas Milora giving brief outline of Project.
- Site visit by Brian Davidson, NYSDEC to review project progress 5/6/15

## VIII. ATTACHMENTS

### Site Photos



Installation of SVE pipe and HPDE sleeves in TF-5 trench



TF-4 trench showing compacted subgrade





Installation of HPDE sleeves in TF-4 trench



Second layer of bedding gravel over pipes in TF-4 trench





TF-5C Well Head Piping- Typical VER Well Head detail



TF-4D Well Head Piping- End of line VER Low Point Well Head detail

**Reviewed and Approved by: Kevin Cornell**



## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 05/15/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	2	2	2	2	2	0	0
Tranit Corp.	4	5	6	6	8	0	0
DeMaximus	0	1	1	0	0	0	0
GEOD		0	0	0	1	0	0
		0	0	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>6</b>	<b>8</b>	<b>9</b>	<b>8</b>	<b>11</b>		

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
N/A	N/A	N/A

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation EucoBond Insulation Adhesive
---------	---

Reviewed	4" DIA 22.5 DEG Radius segments to make HPDE Elbows for sleeves reviewed and approved.
----------	--

#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- Amec: Week ending 5/8/15 Performed construction oversight. Performed Daily Air Monitoring. Well Development complete, one additional round of PCB testing performed.
- Transit Corp: Week ending 5/8/15 excavated east/west trenches for TF-5, TF-4 and TF-3 lines excluding trench segments 12 and 15 which were left open for site access. Installed process tubing sleeves for trench segments 20, 19, 18, 17 and 16. Installed SVE piping for trench segments 20, 19, 18, 17 and 16. Installed well head piping for wells TF-5D, TF-5C, TF-5B, TF-5A, TF-4D, TF-4C and TF-4B.

##### Scheduled Activities for Current Week

- Amec: Week ending 5/15/15 Performed construction oversight. Performed Daily Air Monitoring. Surveyed RAD II property corners and as built piping for TF-3, 4 and 5 Lines.
- Transit Corp: Week ending 5/15/15 excavated east/west trench segments 12 and 15 as well as north/south trench segments 4 and 5 to complete the excavation for the TF-3, 4 and 5 lines. Installed process tubing sleeves for trench segments 12, 15, 4 and 5 to complete the piping for the TF-3, 4 and 5 lines. Backfilled the trenches with 3/8" stone then on site material compacted in 1' lifts. Installed well vaults and pads on TF-5D, C and B, TF- 4C and B, TF-3 B and C. Started placing the DGA base prior to bituminous pavement. Secured first work area on RAD I with concrete barriers and orange safety netting. Started saw cutting pavement on TF-6, 7 lines. Started asphalt removal and trenching on TF-6, 7 lines.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	none	1	TBD	Pending	Transit Corp. preparing budget estimate for the work

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions

Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>
Materials Delivered	Materials Removed
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>AMECFW received shipments of Kuriyama process piping for the compressed air and LNAPL systems.</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
N/A	N/A	N/A	N/A	N/A	N/A

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- AMECFW advise by John Rolfe on 5/15/2015 that Client had approved use of the mobile oil separator
- AMECFW advised John Rolfe that the failure of the tenant to relocate the trash dumpsters covering TF-6D and TF-6C would start to have schedule impacts by 5/18/2015 if not resolved.



## VIII. ATTACHMENTS

### Site Photos



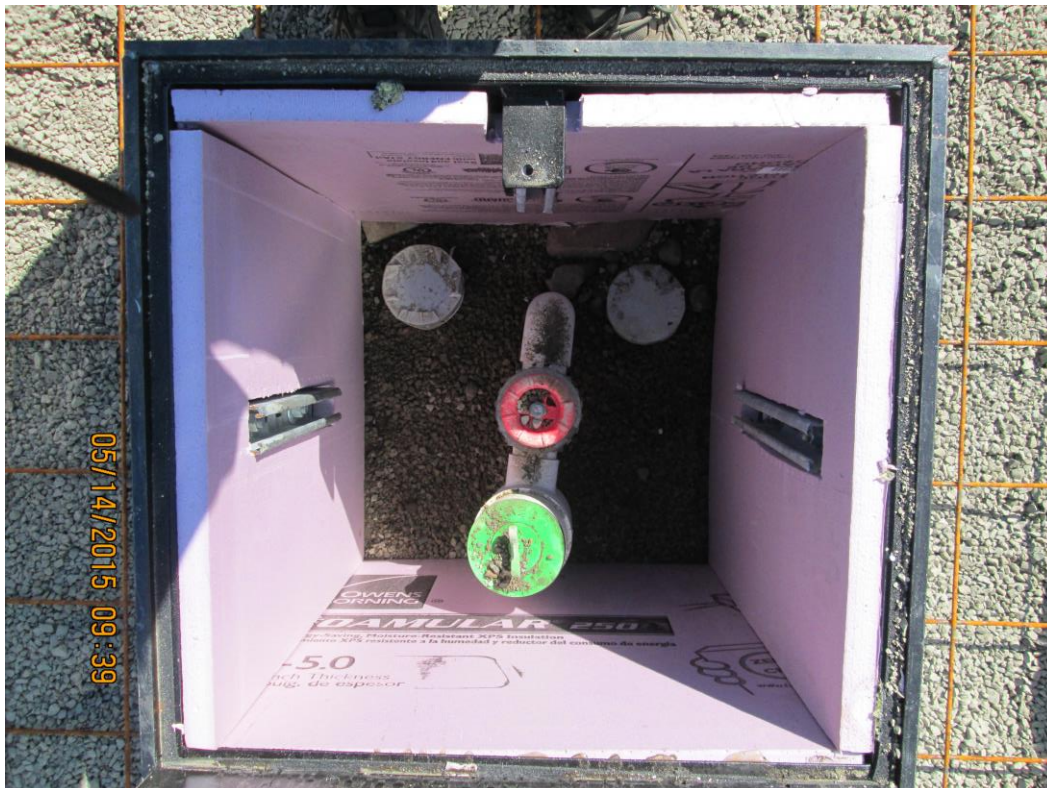
North-South Trench from TF-5A to TF-4A. SVE piping only



TF-5 trench looking east prior to backfill



TF-4A VER Low point drain



TF-5C





TF-5B



Work Area 1 RAD II Overview





**Start DGA installation**



**Delivery of product piping**

**Reviewed and Approved by: Kevin Cornell**



## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 05/22/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	2	2	2	2	2	0	0
Tranit Corp.	8	12	12	3	3	0	0
DeMaximus	0	1	0	1	0	0	0
Diversified Geophysics	0	0	0	1	0	0	0
		0	0	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>10</b>	<b>15</b>	<b>14</b>	<b>7</b>	<b>5</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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Reviewed	N/A
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#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- Amec: Week ending 5/15/15 Performed construction oversight. Performed Daily Air Monitoring. Surveyed RAD II property corners and as built piping for TF-3, 4 and 5 Lines.
- Transit Corp: Week ending 5/15/15 excavated east/west trench segments 12 and 15 as well as north/south trench segments 4 and 5 to complete the excavation for the TF-3, 4 and 5 lines. Installed process tubing sleeves for trench segments 12, 15, 4 and 5 to complete the piping for the TF-3, 4 and 5 lines. Backfilled the trenches with 3/8" stone then on site material compacted in 1' lifts. Installed well vaults and pads on TF-5D, C and B, TF- 4C and B, TF-3 B and C. Started placing the DGA base prior to bituminous pavement. Secured first work area on RAD I with concrete barriers and orange safety netting. Started saw cutting pavement on TF-6, 7 lines. Started asphalt removal and trenching on TF-6, 7 lines.

##### Scheduled Activities for Current Week

- Amec: Week ending 5/22/15 Performed construction oversight. Performed Daily Air Monitoring. Refreshed geophysical survey of RAD I.
- Transit Corp: Week ending 5/22/15 continued placing DGA base on RAD II work area 1. Poured well vault pads for TF-5D, 5C, 5B, 4D, 4C, 4B, 3C, 3B. Placed base course of bituminous pavement on 60% of RAD II work area 1. Modified 8 of 8 existing wells for long term monitoring plan in RAD II work area 1 to finish grade. On RAD I work area 1 excavated and set pipe for TF-7 line (trench segments 28, 29) and TF-6 line (trench segments 23, 24). Secured work area for TF-6D, 6C trench segments 25, 26.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	none	1	TBD	5 of 8 wells in the RAD II work area 1 were modified the week of 5/22/15	Transit Corp. preparing budget estimate for the work
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	Unknown	1	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days.
3	Uncapped area between Preston Avenue and the bituminous paving cap on RAD II	None	1	TBD	Pending	Scope of change to be determined after Waste Management finishes electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	Unknown	1	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days.


Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries,  
(5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>
Materials Delivered	Materials Removed
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
N/A	N/A	N/A	N/A	N/A	N/A

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- AMECFW advised John Rolfe that :
  - Subsurface obstructions were encountered in the TF-6, 7 trenches and needed to be removed. Directed to proceed
  - Uncapped area would exist between Preston Road and RAD II under current SOW
- John Rolfe was able to secure area to work on TF-6D to TF-6B.

## VIII. ATTACHMENTS

### Site Photos



Concrete Pad for TF-5C Well Vault



Place and Compact DGA RAD II Work Area I





**Base Paving RAD II Work Area I**



**Remove VER-2 Protective Casing**





**Remove Timber from TF-7 Trench**



**Broken Water Line TF-7 Trench**



**Install VER Piping and HPDE Piping Sleeve in TF-6 Trench**

**Reviewed and Approved by: Kevin Cornell**





## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 05/29/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	0	2	2	4	3	0	0
Transit Corp.	0	10	10	9	6	0	0
DeMaximus	0	1	0	1	0	0	0
Diversified Geophysics	0	0	0	0	0	0	0
		0	0	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>Holiday</b>	<b>13</b>	<b>12</b>	<b>14</b>	<b>9</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation EucoBond Insulation Adhesive
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<b>Reviewed</b>	026	22	Product Data Sheets - Forged Carbon Steel Fittings and Outlets	Approved
	027	23	Product Data Sheets - Model 354 Updraft Vent	Make Corrections Noted Model 354-300AV
	028	24	Product Data Sheets - Model 818 Tank Gauge	Make Corrections Noted Model 818-0100AG
	029	25	Product Data Sheets - Model 246 2 inch Series Swing Check Valve	Approved
	030	26	Product Data Sheets - Model 958 Series 1 inch in-Line Check Valve	Make Corrections Noted Model 958-11000AV
	031	27	Product Data Sheets - Model 535 Locking Gate Valve	Make Corrections Noted Model 535DI-0300AV
	032	28	Product Data Sheets - Schedule 40 pipe for tank fill lines	Make Corrections Noted Approved 1" and 2"

#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- **Amec: Week ending 5/22/15** Performed construction oversight. Performed Daily Air Monitoring. Refreshed geophysical survey of RAD I.
- **Transit Corp: Week ending 5/22/15** continued placing DGA base on RAD II work area 1. Poured well vault pads for TF-5D, 5C, 5B, 4D, 4C, 4B, 3C, 3B. Placed base course of bituminous pavement on 60% of RAD II work area 1. Modified 8 of 8 existing wells for long term monitoring plan in RAD II work area 1 to finish grade. On RAD I work area 1 excavated and set pipe for TF-7 line (trench segments 28, 29) and TF-6 line (trench segments 23, 24). Secured work area for TF-6D, 6C trench segments 25, 26.

##### Scheduled Activities for Current Week

- **Amec: Week ending 5/29/15** Performed construction oversight. Performed Daily Air Monitoring. Started skimming LNAPL out of the frack tank.
- **Transit Corp: Week ending 5/29/15:**
  - On RAD II work area 1 completed excavation, piping, backfill and paving on TF-4 and 5 lines. Completed excavation, piping, backfill and base paving on TF-3 line. Still need to install 4" HPDE sleeve from TF-5A to TF-4A to TF-3A (trench segments 4 and 5). Turned over approximately 10,000 SF of pavement to Tenant 5/29/15 trying to turn over additional 6,000 SF of pavement by 6/3/15. Looking to secure RAD II work area 2 (TF-1, TF-2 lines and piping from South Road Crossing vault to hose vault) on Monday 6/1/15.
  - On RAD I work area 1 completed piping, backfill paving for TF-7 line (trench segments 28, 29) and TF-6 line (trench segments 23, 24). Set well vaults and pads

for TF-6A, B, 7A, B and C. Turned over to tenant on 5/29/15. Secured work area for TF-6D, 6C trench segments 25, 26 and S-4E, D, C and B trench segments 35, 36 and 37.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	none	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	Unknown	1	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the bituminous paving cap on RAD II	None	1	TBD	Pending	Scope of change to be determined after Waste Management finishes electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	Unknown	1	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>
Materials Delivered	Materials Removed
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> <li>Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
N/A	N/A	N/A	N/A	N/A	N/A

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- AMECFW advised John Rolfe that a meeting was required with RAD I tenant to secure third work area by 6/8/15. Will meet on 6/2/15 or 6/4/15.

### ATTACHMENTS

#### Site Photos



TF-7A Well Vault viewed from the north	TF-6 Piping sleeved into SXB
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**RAD I Work Area 1 Binder course on TF-6, 7 trenches**



**Turn over RAD I Work Area 1 5/29/2015**





**RAD II Work Area 1 Base course with monitoring wells framed for pour.**



**RAD II Work Area 1 Binder course**



**RAD II Work Area 1 top course paving**



**Skimmer pump installed and operational on frac tank**

**Reviewed and Approved by: Kevin Cornell**





## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 6/05/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	2	2	2	1	1	0	0
Transit Corp.	9	9	11	10	12	0	0
DeMaximus	0	1	1	1	0	0	0
Diversified Geophysics	0	0	0	0	0	0	0
		0	0	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>11</b>	<b>12</b>	<b>14</b>	<b>12</b>	<b>13</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- Amec: Week ending 5/29/15 Performed construction oversight. Performed Daily Air Monitoring. Working to resolve problems with oil water separator.
- Transit Corp: Week ending 5/29/15:
  - On RAD II work area 1 completed excavation, piping, backfill and paving on TF-4 and 5 lines. Completed excavation, piping, backfill and base paving on TF-3 line. Still need to install 4" HPDE sleeve from TF-5A to TF-4A to TF-3A (trench segments 4 and 5. Turned over approximately 10,000 SF of pavement to Tenant 5/29/15 trying to turn over additional 6,000 SF of pavement by 6/3/15. Looking to secure RAD II work area 2 (TF-1, TF-2 lines and piping from South Road Crossing vault to hose vault) on Monday 6/1/15.
  - On RAD I work area 1 completed piping, backfill, paving for TF-7 line (trench segments 28, 29) and TF-6 line (trench segments 23, 24). Set well vaults and pads for TF-6A, B, 7A, B and C. Turned over to tenant on 5/29/15. Secured work area for TF-6D, 6C trench segments 25, 26 and S-4E, D, C and B trench segments 35, 36 and 37.

##### Scheduled Activities for Current Week

- Amec: Week ending 6/5/15 Performed construction oversight. Performed Daily Air Monitoring. Started skimming LNAPL out of the frack tank.
- Transit Corp: Week ending 6/5/15:
  - On RAD II work area 1 completed excavation, piping and backfill trench segments 4 and 5 from TF-5A to TF-3A. Set well vaults and pads for TF-5A, 4A and 3A. Set DGA, binder and bituminous pavement in southeast corner to complete work area 1 and turn over to tenant. Start excavation, piping and wellhead modifications to TF-2D, 2C, 2B and 2A trench segments 3, 12, 13 and 14.
  - On RAD I work area 2 completed excavation, piping, backfill and paving for S-4E, 4D, 4C and 4B, trench segments 35, 36 and 37.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	1 Day	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	2 Days	1	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the	None	1	TBD	Pending	Scope of change to be determined after Waste

	bituminous paving cap on RAD II					Management finishes electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	1 Day	1	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
5	On RAD I broke 1" water main that was installed 2'6" below existing grade rather than the code required 3'6" minimum cover over a water main.	2 Days	1	TBD	Complete 5/20/15	Water main was capped on 5/19/2015 and water restored on 5/20/2015. Delay of two days incurred to the overall schedule since critical path runs through the trenching operation.
6	Use large excavator to relocate tenant cargo containers	1 Day	7	TBD	Ongoing situation	While the subcontractor, Transit Corp., has performed this work as a courtesy to keep working and assist the tenant the cumulative impact is a delay of one day to the project schedule,

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> <li>Grout pump</li> </ul>	<ul style="list-style-type: none"> <li>Grout pump</li> </ul>

Materials Delivered	Materials Removed
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> <li>Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
N/A	N/A	N/A	N/A	N/A	N/A

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS



- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- AMECFW advised John Rolfe that a meeting was required with RAD I tenant to secure additional work area by 6/8/15. Tenant was unable to commit to scope of next work area in 6/5/15 meeting.

### ATTACHMENTS

#### Site Photos

	
S-4 Line Isolated Pier Footings Trench Segment 37	Abandoned Railroad Siding at S-4B





**Grout OW-2 on RAD II**



**S-4 Trench on RAD I**





**RAD II Work Area 1 Southeast Corner Binder Course**



**Electricians Pull Drag Lines for Process Piping Installation**



**Temporary Access Drive to Tenant Parking RAD II**



**Pour Well Vault Pads S-4E, 4D, 4C and 4B**

**Reviewed and Approved by: Kevin Cornell**



## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 6/19/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	2	1	2	2	2	0	0
Transit Corp.	10	10	9	7	6	0	0
DeMaximus	0	1	0	1	0	0	0
Diversified Geophysics	0	0	0	0	0	0	0
GEOD		1	0	1	0	0	0
<b>TOTAL MAN DAYS</b>	<b>12</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>8</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- Amec Week ending 6/12/15:
  - Performed construction oversight. Performed Daily Air Monitoring. Pulled compressed air lines and product hoses through trench segments 3, 4, 5, 9-20, 24, 25, 28, 29, 35, 36 and 37. Continued working to fix oil water separator.
- Transit Corp Week Ending 6/12/15:
  - On RAD I no work was performed because reasonable access to continue trenching operation was not granted.
  - On RAD II work area 2 completed excavation, piping and backfill for trench segments 2 and 6-11. Set well vaults and pads for TF-2D to 2A, TF-1C to TF-1A. Set subgrade, DGA, binder and bituminous pavement from work area 1 to north of the TF-2 line. Start excavation for trench segment 21 between the south crossing vault (SXB) and the Hose Vault. Clear soil pile from the 90'x90' treatment area to allow work to progress on foundations for equipment trailers and tanks.

##### Scheduled Activities for Current Week

- Amec Week ending 6/19/15:
  - Performed construction oversight. Performed Daily Air Monitoring. Pumped fluids from frac tank into oil water separator, consolidated existing drums prior to removal next week. Surveyor set corners and offsets for equipment trailers and tank pad in the 90' x90' area on RAD II.
- Transit Corp Week Ending 6/19/15:
  - On RAD I Trench segments 25, 26 and 30 between TF-6B and TF-6D and TF-7C and TF-7D were excavated, pipe installed and backfilled. Well vaults TF-6C and TF-6D were set. Trench segments 25 and 26 were paved. No other reasonable access granted on remainder of RAD I.
  - On RAD II completed excavation, pipe installation and backfill of trench segment 21 from SXB to the hose vault. Prepared subgrade, installed DGA, binder and top course of bituminous pavement up to the TF-1 line of well vaults.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	1 Day	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	2 Days	1,7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the	None	1	TBD	Pending	Scope of change to be determined after Waste

	bituminous paving cap on RAD II					Management finishes electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	1 Day	1, 7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
5	On RAD I broke 1" water main that was installed 2'6" below existing grade rather than the code required 3'6" minimum cover over a water main.	2 Days	1	TBD	Complete 5/20/15	Water main was capped on 5/19/2015 and water restored on 5/20/2015. Delay of two days incurred to the overall schedule since critical path runs through the trenching operation.
6	Use large excavator to relocate tenant cargo containers	1 Day	7	TBD	Ongoing situation	While the subcontractor, Transit Corp., has performed this work as a courtesy to keep working and assist the tenant the cumulative impact is a delay of one day to the project schedule,
7	Reasonable access not provided on RAD I to continue trenching operation.	Ongoing	1, 7	TBD	Ongoing Situation	Each day delay since 6/5/14 is extending the completion schedule past 7/30/15
8	Reroute trench segment 26 between TF-6D and 6C to clear unknown obstructions.	1 Day	1, 7	TBD	Complete 6/16/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
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<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> <li>Grout pump</li> </ul>	<ul style="list-style-type: none"> <li>Grout pump</li> </ul>
<b>Materials Delivered</b>	<b>Materials Removed</b>
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> <li>Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
N/A	N/A	N/A	N/A	N/A	N/A

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- AMECFW met with RAD I tenant on 6/17/15 to try and secure additional work area in front section of RAD I. Tenant said that they could move a few busses around but could not vacate a large area to accommodate our work.

ATTACHMENTS

**Site Photos**



Trench segment 21 facing east toward Hose Vault



Install DGA between TF-2 line and TF-1 line on RAD II





**Install binder course between TF-2 line and TF-1 line on RAD II**



**Uncover abandoned concrete vault on RAD I between TF-6C and TF-6D trench segment 26**





Concrete duct bank in foreground on RAD I between TF-6C and TF-6D trench segment 26



Oil water separator running on RAD II





**Finish paving on RAD II between TF-2 line and TF-1 line**



**Binder on RAD I trench segments 25 and 26 between TF-6D and TF-6B**





On RAD I trench segment 30 between TF-7D and TF-7C

Reviewed and Approved by: Kevin Cornell





## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 6/26/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	2	2	2	1	2	0	0
Transit Corp.	7	5	12	13	12	0	0
DeMaximus	0	1	0	1	0	0	0
Special Inspections	0	1	1	1	1	0	0
ABC Tank Cleaning			3			0	0
<b>TOTAL MAN DAYS</b>	<b>9</b>	<b>9</b>	<b>17</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- Amec Week ending 6/19/15:
  - Performed construction oversight. Performed Daily Air Monitoring. Pumped fluids from frac tank into oil water separator, consolidated existing drums prior to removal next week. Surveyor set corners and offsets for equipment trailers and tank pad in the 90' x90' area on RAD II.
- Transit Corp Week Ending 6/19/15:
  - On RAD I Trench segments 25, 26 and 30 between TF-6B and TF-6D and TF-7C and TF-7D were excavated, pipe installed and backfilled. Well vaults TF-6C and TF-6D were set. Trench segments 25 and 26 were paved. No other reasonable access granted on remainder of RAD I.
  - On RAD II completed excavation, pipe installation and backfill of trench segment 21 from SXB to the hose vault. Prepared subgrade, installed DGA, binder and top course of bituminous pavement up to the TF-1 line of well vaults.

##### Scheduled Activities for Current Week

- Amec Week ending 6/26/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  - Had ABC Tank clean the frac tank on 6/24/15 for removal by Rain-for-Rent.
- Transit Corp Week Ending 6/26/15:
  - On RAD I Trench segment 30 between TF-6D and TF-7C was completed. Well vault TF-6D pad was poured. All RAD I work area was turned over to tenant on 6/26/15. No other reasonable access granted on remainder of RAD I.
  - On RAD II completed excavation, pipe installation and backfill of trench segments 41, 42 and 43. Poured well vault pads for S-1E, 1D, 1C. Began excavation of trench segment 1 from the hose vault to the equipment trailer.
  - Prepared subgrade, installed stone fill, framed, set reinforcing steel and poured the 12 pier footings for the equipment trailers and the tank pad.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	1 Day	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	2 Days	1,7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the	None	1	TBD	Pending	Scope of change to be determined after Waste

	bituminous paving cap on RAD II					Management finishes electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	1 Day	1, 7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
5	On RAD I broke 1" water main that was installed 2'6" below existing grade rather than the code required 3'6" minimum cover over a water main.	2 Days	1	TBD	Complete 5/20/15	Water main was capped on 5/19/2015 and water restored on 5/20/2015. Delay of two days incurred to the overall schedule since critical path runs through the trenching operation.
6	Use large excavator to relocate tenant cargo containers	1 Day	7	TBD	Ongoing situation	While the subcontractor, Transit Corp., has performed this work as a courtesy to keep working and assist the tenant the cumulative impact is a delay of one day to the project schedule,
7	Reasonable access not provided on RAD I to continue trenching operation.	Ongoing	1, 7	TBD	Ongoing Situation	Each day delay since 6/5/14 is extending the completion schedule past 7/30/15
8	Reroute trench segment 26 between TF-6D and 6C to clear unknown obstructions.	1 Day	1, 7	TBD	Complete 6/16/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
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<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Frac Tank 6/26/15</li> </ul>
<b>Materials Delivered</b>	<b>Materials Removed</b>
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> <li>Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
ABC Tank Cleaning	VAC	N/A	Mix LNAPL and water	300 Gal.	Waste generated by pressure washing the frac tank prior to removal

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- AMECFW met with RAD I tenant on 6/26/15 to try and secure additional work area designated as Area 3 on current proposed Phasing Plan. Tenant will meet Monday 6/29/15 to see if additional area is available to work on.

ATTACHMENTS

**Site Photos**



Compaction test on pier footings for equipment trailers



Import Preston Avenue soil from RAD II to RAD II





Raise GAL 29 to future grade



Clean Frac Tank





**Install HDPE pipe sleeve from S-1D to S-1C**



**Pour equipment trailer pier footings**





**Pour equipment trailer piers**



**Pour S-1C well vault pad**





**Excavate trench segment 1 from Hose Vault to Equipment trailer**

**Reviewed and Approved by: Kevin Cornell**



## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 7/3/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	1	1	2	1	0	0	0
Transit Corp.	7	11	15	11	0	0	0
DeMaximus	0	1	0	1	0	0	0
Special Inspections	0	0	0	0	0	0	0
ABC Tank Cleaning					0	0	0
TOTAL MAN DAYS	8	13	17	13	0	0	0

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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#### IV. SCHEDULE / SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished

- Amec Week ending 6/26/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  - Had ABC Tank clean the frac tank on 6/24/15 for removal by Rain-for-Rent.
- Transit Corp Week Ending 6/26/15:
  - On RAD I Trench segment 30 between TF-6D and TF-7C was completed. Well vault TF-6D pad was poured. All RAD I work area was turned over to tenant on 6/26/15. No other reasonable access granted on remainder of RAD I.
  - On RAD II completed excavation, pipe installation and backfill of trench segments 41, 42 and 43. Poured well vault pads for S-1E, 1D, 1C. Began excavation of trench segment 1 from the hose vault to the equipment trailer.
  - Prepared subgrade, installed stone fill, framed, set reinforcing steel and poured the 12 pier footings for the equipment trailers and the tank pad.

##### Scheduled Activities for Current Week

- Amec Week ending 7/3/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  - Rain-for-Rent removed frac tank 6/29/15.
- Transit Corp Week Ending 7/3/15:
  - No other reasonable access granted on remainder of RAD I.
  - On RAD II excavated, installed sleeve and backfilled trench segment 40 between S-1B and S-1A and segments 38, 39 from S-1A to TE-1, 2. Continued advancing trench segment 1 from the hose vault past S-3E. Began excavation, and installation of sleeve from S-3E to S-3D. Installed well vaults and pads for S-1A, S-1B and S-3E. Prepared subgrade, placed and compacted DGA base, placed and compacted base and top coat of bituminous pavement from the TF-1 line north to the S-1 line. Electricians install underground conduit from switchgear to the Equipment trailer and connections for low voltage and 120/208 v power between TE-1 and TE-2.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	1 Day	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	2 Days	1,7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the	None	1	TBD	Pending	Scope of change to be determined after Waste Management finishes

	bituminous paving cap on RAD II					electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	1 Day	1, 7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
5	On RAD I broke 1" water main that was installed 2'6" below existing grade rather than the code required 3'6" minimum cover over a water main.	2 Days	1	TBD	Complete 5/20/15	Water main was capped on 5/19/2015 and water restored on 5/20/2015. Delay of two days incurred to the overall schedule since critical path runs through the trenching operation.
6	Use large excavator to relocate tenant cargo containers	1 Day	7	TBD	Ongoing situation	While the subcontractor, Transit Corp., has performed this work as a courtesy to keep working and assist the tenant the cumulative impact is a delay of one day to the project schedule,
7	Reasonable access not provided on RAD I to continue trenching operation.	Ongoing	1, 7	TBD	Ongoing Situation	Each day delay since 6/5/14 is extending the completion schedule past 7/30/15
8	Reroute trench segment 26 between TF-6D and 6C to clear unknown obstructions.	1 Day	1, 7	TBD	Complete 6/16/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> </ul>	<ul style="list-style-type: none"> <li>Frac Tank 6/29/15</li> </ul>

<ul style="list-style-type: none"> <li>CAT CB 534C Roller Compactor</li> <li></li> </ul>	
Materials Delivered	Materials Removed
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> <li>Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
N/A					

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- AMECFW met with RAD I tenant on 6/26/15 to try and secure additional work area designated as Area 3 on current proposed Phasing Plan. Tenant will meet Monday 6/29/15 to see if additional area is available to work on.

ATTACHMENTS

Site Photos



Remove Frac Tank



Trench segment 40 between S-1B and S-1A





**Trench segment 1 between hose vault and equipment trailer**



**Pour Hose Vault Pad note two sumps on TF-7 and TF-6 lines**





**Install primary electrical conduit from switchgear to equipment trailer**



**Base pavement between TF-1 line and S-1 line**





**Top course of pavement between Tf-1 line and S-1 line**



**Using imported fill to bring grade at pier footing to elevation**

**Reviewed and Approved by: Kevin Cornell**



## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 7/10/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	1	2	2	2	1	0	0
Transit Corp.	5	4	9	11	10	0	0
de maximis	0	1	0	1	1	0	0
Cranes Inc.	0	0	0	0	2	0	0
Clean Venture	0	0	1	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>6</b>	<b>7</b>	<b>12</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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#### IV. SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished Previous Week

- Amec Week ending 7/3/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  - Rain-for-Rent removed frac tank 6/29/15.
- Transit Corp Week Ending 7/3/15:
  - No other reasonable access granted on remainder of RAD I.
  - On RAD II excavated, installed sleeve and backfilled trench segment 40 between S-1B and S-1A and segments 38, 39 from S-1A to TE-1, 2. Continued advancing trench segment 1 from the hose vault past S-3E. Began excavation, and installation of sleeve from S-3E to S-3D. Installed well vaults and pads for S-1A, S-1B and S-3E. Prepared subgrade, placed and compacted DGA base, placed and compacted base and top coat of bituminous pavement from the TF-1 line north to the S-1 line. Electricians install underground conduit from switchgear to the Equipment trailer and connections for low voltage and 120/208 v power between TE-1 and TE-2.

##### Construction- Work Accomplished in the Current Week

- Amec Week ending 7/10/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  - Removed drums of LNAPL, impacted soil, contaminated empty drums and 2 carbon drums.
- Transit Corp Week Ending 7/10/15:
  - No other reasonable access granted on remainder of RAD I.
  - On RAD II added fill and compacted subgrade, installed DGA base, installed asphaltic base and top course of paving under the equipment trailers. Added fill and compacted subgrade in crane staging area. Cut northwest corner to subgrade. Excavated trench from S-3E to S-3C. Rigged and set the equipment trailers (TE-1, 2) and the LNAPL storage tanks.

Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	1 Day	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	2 Days	1,7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the bituminous paving cap on RAD II	None	1	TBD	Pending	Scope of change to be determined after Waste Management finishes

						electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	1 Day	1, 7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
5	On RAD I broke 1" water main that was installed 2'6" below existing grade rather than the code required 3'6" minimum cover over a water main.	2 Days	1	TBD	Complete 5/20/15	Water main was capped on 5/19/2015 and water restored on 5/20/2015. Delay of two days incurred to the overall schedule since critical path runs through the trenching operation.
6	Use large excavator to relocate tenant cargo containers	1 Day	7	TBD	Ongoing situation	While the subcontractor, Transit Corp., has performed this work as a courtesy to keep working and assist the tenant the cumulative impact is a delay of one day to the project schedule,
7	Reasonable access not provided on RAD I to continue trenching operation.	Ongoing	1, 7	TBD	Ongoing Situation	Each day delay since 6/5/14 is extending the completion schedule past 7/30/15
8	Reroute trench segment 26 between TF-6D and 6C to clear unknown obstructions.	1 Day	1, 7	TBD	Complete 6/16/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
9	Subsurface concrete obstructions in trench segments 49, 52, 54 need to be removed and/or altered to install piping.	1 Day	1.7	TBD	Ongoing situation	Transit Corp. will submit field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries,  
(5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Frac Tank 6/29/15</li> </ul>
Materials Delivered	Materials Removed
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> <li>Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
Clean Venture Cycle Chem	Lift Gate	Elizabeth	Misc. Drummed Waste	33 total drums	In addition to waste generated by this contract, drums from Golder Assoc. activities were removed.

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

ATTACHMENTS

**Site Photos**



Fill under Equipment trailers



Trench segment 53 between S-3E and S-3D





**DGA subbase under equipment trailers**



**Trench segment 52 between S-3D and S-3C**





**Base paving course under equipment trailers**



**Layout and installation of LNAPL tank bearing plates**





**Top course of pavement under equipment trailers**



**Rig equipment trailer onto pier footing base plates**



**Rig LNAPLE tank into containment structure**



**Final LNAPLE tank installation**

**Reviewed and Approved by: Kevin Cornell**





## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 7/17/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	1	2	2	2	1	0	0
Transit Corp.	5	5	5	8	8	0	0
de maximis	0	1	0	0	0	0	0
Cranes Inc.	0	0	0	0	0	0	0
Clean Venture	0	0	0	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>6</b>	<b>8</b>	<b>7</b>	<b>10</b>	<b>11</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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#### IV. SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished Previous Week

- Amec Week ending 7/10/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  - Removed drums of LNAPL, impacted soil, contaminated empty drums and 2 carbon drums.
- Transit Corp Week Ending 7/10/15:
  - No other reasonable access granted on remainder of RAD I.
  - On RAD II added fill and compacted subgrade, installed DGA base, installed asphaltic base and top course of paving under the equipment trailers. Added fill and compacted subgrade in crane staging area. Cut northwest corner to subgrade. Excavated trench from S-3E to S-3C. Rigged and set the equipment trailers (TE-1, 2) and the LNAPLE storage tanks.

##### Construction- Work Accomplished in the Current Week

- Amec Week ending 7/17/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  -
- Transit Corp Week Ending 7/17/15:
  - No other reasonable access granted on remainder of RAD I.
  - On RAD II added fill and compacted subgrade, installed DGA base from the S-1 line to the edge of the equipment trailers. Excavated, installed gravel base, HDPE sleeves, gravel pipe cover, backfill and compacted each layer of trench segments 48, 49, 50 and 52 from S-2D to S-3C. Set well vaults and framed to pour the concrete pad for S-2D, S-2E and S-3C.

##### Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	1 Day	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	2 Days	1,7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the bituminous paving cap on RAD II	None	1	TBD	Pending	Scope of change to be determined after Waste Management finishes electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	1 Day	1, 7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at

						this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
5	On RAD I broke 1" water main that was installed 2'6" below existing grade rather than the code required 3'6" minimum cover over a water main.	2 Days	1	TBD	Complete 5/20/15	Water main was capped on 5/19/2015 and water restored on 5/20/2015. Delay of two days incurred to the overall schedule since critical path runs through the trenching operation.
6	Use large excavator to relocate tenant cargo containers	1 Day	7	TBD	Ongoing situation	While the subcontractor, Transit Corp., has performed this work as a courtesy to keep working and assist the tenant the cumulative impact is a delay of one day to the project schedule,
7	Reasonable access not provided on RAD I to continue trenching operation.	Ongoing	1, 7	TBD	Ongoing Situation	Each day delay since 6/5/14 is extending the completion schedule past 7/30/15
8	Reroute trench segment 26 between TF-6D and 6C to clear unknown obstructions.	1 Day	1, 7	TBD	Complete 6/16/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
9	Subsurface concrete obstructions in trench segments 49, 52, 54 need to be removed and/or altered to install piping.	1 Day	1.7	TBD	Ongoing situation	Transit Corp. will submit field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> </ul>	<ul style="list-style-type: none"> <li>Frac Tank 6/29/15</li> </ul>

•	
Materials Delivered	Materials Removed
<ul style="list-style-type: none"> <li>3/8" stone for pipe bedding, DGA for pavement base course</li> <li>4000 psi concrete for well vault pads</li> <li>Bituminous base pavement</li> <li>Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
NA					

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- None

### ATTACHMENTS

### Site Photos



SVE connections at equipment trailer (TE-1)

Trench segments 48 and 50 between S-2E and S-3B





**Trench segment 1 between Hose Vault and Equipment Trailer (TE-1)**



**Well Vault S-2D**





**HPDE sleeves in trench segments 48 and 50**



**Backfill trench segments 48 and 50**



**Compact DGA subbase between S-1 line and Equipment trailer**



**Place DGA subbase between S-1 line and Equipment trailer**





## HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION WEEKLY CONSTRUCTION REPORT

Project: Ground Water Treatment Plant

**Week Ending 7/24/15**

37-30 to 37-80 Review Avenue, Long Island City, NY

### I. SITE RESOURCES SUMMARY

Team	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Amec FW, E&I	2	1	2	2	1	0	0
Transit Corp.	9	5	8	7	7	0	0
de maximis	1	0	1	0	0	0	0
Cranes Inc.	0	0	0	0	0	0	0
Clean Venture	0	0	0	0	0	0	0
<b>TOTAL MAN DAYS</b>	<b>12</b>	<b>6</b>	<b>11</b>	<b>9</b>	<b>8</b>	<b>0</b>	<b>0</b>

### II. HEALTH AND SAFETY

#### Highlights

- Daily Safety "Tailgate Meetings" every day at 7:00am to discuss the Daily Agenda and the Job Safety Analysis.

#### Inspections and Audits

- None

#### Incidents and Near Misses

Contractor	Date of Incident	Incident / Near Miss
Transit Corp.	5/19/15	While excavating in the TF-7 trench line segment 28 the contractor hit a 1" water line approximately 2'6" below finished grade. Line was repaired. Personnel had no injuries

### III. ADMINISTRATIVE ITEMS

#### Submittals

Pending	Rigid Foamular 600 Insulation Eucobond Insulation Adhesive
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#### IV. SITE ACTIVITIES REVIEW

##### Construction – Work Accomplished Previous Week

- Amec Week ending 7/17/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  -
- Transit Corp Week Ending 7/17/15:
  - No other reasonable access granted on remainder of RAD I.
  - On RAD II added fill and compacted subgrade, installed DGA base from the S-1 line to the edge of the equipment trailers. Excavated, installed gravel base, HDPE sleeves, gravel pipe cover, backfill and compacted each layer of trench segments 48, 49, 50 and 52 from S-2D to S-3C. Set well vaults and framed to pour the concrete pad for S-2D, S-2E and S-3C.

##### Construction- Work Accomplished in the Current Week

- Amec Week ending 7/24/15:
  - Performed construction oversight. Performed Daily Air Monitoring.
  -
- Transit Corp Week Ending 7/24/15:
  - No other reasonable access granted on remainder of RAD I.
  - On RAD II placed base and top course of bituminous pavement from the S-1 line to the south edge of the 90'x90' treatment plant. Excavated, installed gravel base, HDPE sleeves and force main, gravel pipe cover, backfill and compacted each layer of trench segments 44, 45, 46, 47 and 54 completing the trenching operation on RAD II. Commenced final grading and setting well vaults for final paving operation week of 7/27/15.

##### Construction Change Orders (see Non-Conforming Conditions Log attached)

CCO NO.	JUSTIFICATION	SCHEDULE IMPACT	CHANGE CODE	VALUE	STATUS	COMMENTS
1	Modification of existing monitoring wells is not in SOW	1 Day	1	TBD	7 of 8 wells in the RAD II work area 1 were complete the week of 5/29/15. Last well will be abandoned week of 6/5/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
2	Two subsurface obstructions in the TF-6 trench line (trench segments 23, 24) are not in SOW	2 Days	1,7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
3	Uncapped area between Preston Avenue and the bituminous paving cap on RAD II	None	1	TBD	Pending	Scope of change to be determined after Waste Management finishes electrical work in Preston Avenue.
4	Timber beam and misc. timber cribbing in the TF-7 trench segment 28.	1 Day	1, 7	TBD	Complete week of 5/22/15	The cumulative impact of the obstructions on RAD I is not known at

						this time. Turnover of work area back to the tenant was delayed 2 days. Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO
5	On RAD I broke 1" water main that was installed 2'6" below existing grade rather than the code required 3'6" minimum cover over a water main.	2 Days	1	TBD	Complete 5/20/15	Water main was capped on 5/19/2015 and water restored on 5/20/2015. Delay of two days incurred to the overall schedule since critical path runs through the trenching operation.
6	Use large excavator to relocate tenant cargo containers	1 Day	7	TBD	Ongoing situation	While the subcontractor, Transit Corp., has performed this work as a courtesy to keep working and assist the tenant the cumulative impact is a delay of one day to the project schedule,
7	Reasonable access not provided on RAD I to continue trenching operation.	Ongoing	1, 7	TBD	Ongoing Situation	Each day delay since 6/5/14 is extending the completion schedule past 7/30/15
8	Reroute trench segment 26 between TF-6D and 6C to clear unknown obstructions.	1 Day	1, 7	TBD	Complete 6/16/15	Transit Corp. submitted field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.
9	Subsurface concrete obstructions in trench segments 49, 52, 54 need to be removed and/or altered to install piping.	1 Day	1.7	TBD	Ongoing situation	Transit Corp. will submit field tickets for work reviewed and approved by AMEC FW. AMEC FW will prepare CO.

Change Code: (1) Scope Change, (2) Design Error/Omission, (3) Vendor Defect, (4) Vendor Deliveries, (5) Overtime, (6) Weather, (7) Site Conditions  
Status: Pending, Submitted, Approved, Rejected

## V. EQUIPMENT AND MATERIALS

Equipment Delivered	Equipment Removed
<ul style="list-style-type: none"> <li>CAT AP-650B Self-Propelled Paving Box</li> <li>CAT CB 534C Roller Compactor</li> </ul>	<ul style="list-style-type: none"> <li>Frac Tank 6/29/15</li> </ul>

•	
<b>Materials Delivered</b>	<b>Materials Removed</b>
<ul style="list-style-type: none"> <li>• 3/8" stone for pipe bedding, DGA for pavement base course</li> <li>• 4000 psi concrete for well vault pads</li> <li>• Bituminous base pavement</li> <li>• Bituminous top pavement</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>

### Materials Summary (Environmental Waste)

TRANSPORTER	TRUCK TYPE	DESTINATION	MATERIAL	Quantity	Notes
NA					

## VI. COMMUNICATIONS / COMMUNITY AND REGULATORY AGENCY RELATIONS

- None

## VII. COMMUNICATIONS CLIENT RELATIONS

- Meeting with RAD I tenant and John Rolfe re: access to make connection between north crossing vault and sewer manhole and completion of the TF-1 line. Tenant stated that this limited access could be granted however the trench across the main entrance driveway would need to be done between 8 pm and 4 am.

ATTACHMENTS

**Site Photos**



Pave between S-1 line and Equipment Trailers



Trench segment 46 between S-2C and S-2 B





Trench segments 45, 44 from S-2-B to S-1A



Well S-3A prior to well vault installation





**Trench segment 47 from S-2A to S-3A**



**Trench segment 54 from S-3A to north crossing vault showing force main**





Trench segment 44 showing force main installation



S-3D well vault pad pour





**Grounding at LNAPL tanks**



**Install DGA base in final pavement section on RAD II**

**Reviewed and Approved by: Kevin Cornell**

## **PILOT TEST IRON BACTERIA EVALUATION**

**Golder Associates Inc.**

Spring Mill Corporate Center  
555 North Lane, Suite 6057  
Conshohocken, PA USA 19428  
Telephone (610) 941-8173  
Fax (610) 941-8174  
www.golder.com



January 14, 2009

Our Ref.: 023-6151.001  
*Via Electronic Mail*

Cresswood Environmental Consultants, LLC  
380 Lexington Avenue, Suite 2020  
New York, New York 10168

Attn: Mr. David Kushner

**RE: LNAPL RECOVERY TESTING PRELIMINARY FINDINGS  
PILOT TESTS A & B, REVIEW AVENUE DEVELOPMENT (RAD) I AND RAD II  
LONG ISLAND CITY, QUEENS, NEW YORK**

Dear Mr. Kushner:

Golder Associates Inc. (Golder) has prepared this letter report summarizing the results and preliminary findings of the Light Non-Aqueous Phase Liquid (LNAPL) recovery tests performed at the Review Avenue Development (RAD) I and RAD II properties.

The two tests, Pilot Test B and Pilot Test A, were conducted in compliance with the June 2008 LNAPL Recovery Pilot Study Work Plan approved by the New York State Department of Environmental Conservation (NYSDEC). As specified in the work plan, Pilot Test B used vacuum enhanced recovery (VER) without thermal enhancement technology to treat an area in the southeast portion of the RAD II site. Pilot Test A used VER without thermal enhancement to treat an area of the RAD I site in the vicinity of existing monitoring wells GAL-11 and GAL-21. The location of the tests is shown in Figure 1.

The following sections discuss the parameters and preliminary findings of each pilot test. Data collected during the tests is presented in Tables 1A and 1B, and a preliminary analysis of the data is presented in Figures 1-4A and 1-4B.

**PILOT TEST B**

Due to logistical issues associated with the RAD I site, the first test conducted was Pilot Test B, which ran August 26, 2008 through August 29, 2008. Field data collected during the test at RAD II is presented in Table IB. Pilot Test B was conducted in two phases: Phase 1 – Step-Tests, and Phase 2 – Long-Duration Test. During the Step-Test phase, different system configurations were assessed to determine the optimal configuration for the Long-Duration phase. The main parameters adjusted during the step-tests were the depth of the drop tube and the vacuum pressure at the pump.

The Step-Tests phase lasted for 480 minutes (8 hrs) on Day 1 and 2. The Long-Duration phase was initiated on Day 2 and lasted for 1200 minutes (20 hrs). The test was not run continuously due to

field problems related to the liquid ring pump, and reduced flows through the groundwater pretreatment system due to high oil concentration at the exit of the oil/water separator.

The pilot test revealed a strong emulsion and high oil viscosity, which allowed some oily water to pass through the oil/water separator and clog the modified-organic clay used in the pretreatment system. The clogged clay units required the VER unit to be periodically shut down to allow the accumulated groundwater to be pretreated and transferred to the portable storage tanks before resuming the tests.

Analysis of the field data from Pilot Test B showed the following:

1. The LNAPL volume extracted during the test was evaluated based on the ratio of oil to water observed during the test (Figure 1B). The estimated total LNAPL volume extracted was 34 gallons, which represented an LNAPL extraction rate of 0.02 GPM (29 GPD).
2. The mean groundwater extraction rate maintained during the long-duration test was 1.53 GPM. The total volume of water extracted (including during the step-tests phase) was 4,165 gallons (Figure 3B).
3. The highest ratio of oil to water observed during the test was 1.7 and the mean ratio maintained during the long-duration test was 1.25. The highest oil-to-water ratio was obtained by applying a vacuum pressure at the liquid-ring pump at 25 "Hg with a drop tube depth of 16'-11" below measuring point (BMP) and a groundwater extraction rate of 1.4 GPM.
4. The vacuum pressure at the liquid-ring pump was maintained at approximately 26 "Hg and the resulting vacuum pressure at VER-2 (annulus) was 8.5 "H<sub>2</sub>O (Figure 2B). The pressure measured at VER-2 reflects a moderately permeable soil formation. Based on the results from the step-tests, it can be concluded that using a larger liquid-ring pump to impose a higher vacuum pressure would not have obtained an appreciable vacuum pressure increase at VER-2.
5. The vacuum pressure measured at monitoring wells surrounding VER-2 confirmed a rapid decrease of the vacuum pressure as distance from VER-2 increased (Figure 4B). The radius of pressure influence (the pneumatic ROI) was evaluated to be the distance at which pressure vacuum is higher than 0.5 "H<sub>2</sub>O which corresponded to approximately 20 ft. The pneumatic ROI indicates that LNAPL vapors induced by the vacuum or supplied by volatilization of the LNAPL will be captured within this zone. However, because the soil formation is moderately permeable and the LNAPL is very viscous, the pneumatic ROI cannot be the sole indicator used to evaluate the VER well ROI.
6. During the test, no significant variations in LNAPL thicknesses and water table depths in the monitoring wells surrounding VER-2 were observed (Figure 3B). Despite the fact that an influence of the vacuum was present at least 25 ft from VER-2, it should not be concluded that the ROI of VER-2 extended more than 10 feet during the pilot test.

## PILOT TEST A

The second test conducted was Pilot Test A and ran from September 3, 2008 through September 6, 2008. Prior to the commencement of Pilot Test A, the VER system was rinsed with potable water and connected to recovery well VER-1, and the modified-organic clay and the granulated activated carbon used in the groundwater pretreatment system was replaced with new material. Field data collected during the test at RAD I is presented in Table IA.

As with Pilot Test B, Pilot Test A was conducted in two phases. The Step-Tests phase lasted for 1555 minutes (26 hrs) on Day 1. The Long-Duration phase was initiated on Day 2 and lasted for 1325 minutes (22 hrs). The test was not run continuously due to problems similar to those experienced during Test B.

Analysis of the field data from Pilot Test A showed the following:

1. The LNAPL volume extracted during the test was evaluated based on the ratio of oil to water observed during the test (Figure 1A). The estimated total LNAPL volume extracted was 96 gallons, which represented an LNAPL extraction rate of 0.03 GPM (48 GPD).
2. The mean groundwater extraction rate maintained during the long-duration test was 0.93 GPM. The total volume of water extracted (including during the step-tests phase) was 2,401 gallons.
3. The highest ratio of oil to water observed during the test was 3.1 and the mean ratio maintained during the long-duration test was 2.2. The highest oil-to-water ratio was obtained by applying a vacuum pressure at the liquid-ring pump at 19 "Hg with a drop tube depth of 13'-3" BMP and a groundwater extraction rate of 1.2 GPM. During the long-duration test, it was possible to operate the system with a groundwater extraction rate below 1 GPM.
4. The vacuum pressure at the liquid-ring pump was maintained at approximately 20 "Hg and the resulting vacuum pressure measured at VER-1 was 6 "H<sub>2</sub>O. The pressure measured at VER-1 reflects a moderately permeable soil formation.
5. As in Pilot Test B, vacuum pressure measured at the monitoring wells surrounding VER-1 confirmed a rapid decrease of the vacuum pressure as distance from VER-1 increased (Figure 4A). The radius of pressure influence extended further at RAD I than at RAD II, with vacuum influence observed at approximately 50 ft. from VER-1. The greater vacuum readings measured at RAD I can be explained by the presence of an asphalt cover on RAD I.
6. During the test, a very small variation in LNAPL thicknesses was observed in the monitoring wells surrounding VER-1 (Figure 3A). It is difficult to conclude that this was caused by system operation because the small decrease was observed only in monitoring wells located far from VER-1, and was not observed in PSMW-2, located 10 ft from VER-1. Therefore, it cannot be concluded that the ROI of VER-1 extended more than 10 feet during the pilot test.

## PRELIMINARY FINDINGS

Based on the results of the two pilot tests, Golder offers the following observations:

- Vacuum enhanced recovery was successful in recovering LNAPL product and would be a reasonable technology to implement at both the RAD I and RAD II properties.
- The theoretical radiuses of influences (ROI) predicted in the Feasibility Study Report (Golder Associates, July 2005) are possible.
- The actual rate of groundwater capture during pilot testing was less than the 3 GPM predicted in the FS Report. The reduction in groundwater generation should result in a smaller, less costly water treatment system than outlined in the FS Report.
- The pretreatment systems implemented during pilot testing for treating groundwater were capable of treating water to non-detect levels for volatile organic chemicals and semi-volatile organic chemicals. The analytical results did not identify any parameters in excess of the effluent limitations and monitoring requirements, and pH was found to be within the required State Pollutant Discharge Elimination System (SPDES) established by NYSDEC.
- Adequate information was obtained during the two pilot tests to design the full-scale remedy, assuming thermal enhancement is not implemented.



## CLOSING

Golder welcomes the opportunity to further discuss the data and preliminary findings from Pilot Tests A and B presented in this summary report. Detailed analysis of the data from the two pilot tests will be incorporated into the Design Report to be submitted to NYSDEC.

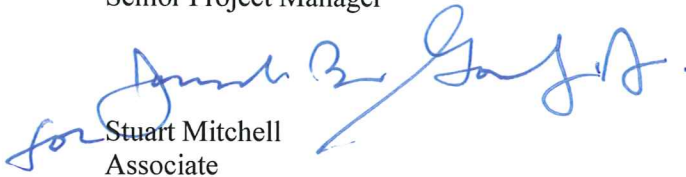
Please do not hesitate to contact us if you have any questions.

Sincerely,

### GOLDER ASSOCIATES INC.



Kevin Killoran  
Senior Project Manager



Stuart Mitchell  
Associate

### Attachments:

Table 1A: RAD I Pilot Field Test Data

Table 1B: RAD II Pilot Field Test Data

Figure 1: RAD I and RAD II Pilot Test Locations

Figure 1A: Test A – LNAPL Recovery Pilot Study Total Liquids Recovery vs Time

Figure 2A: Test A – LNAPL Recovery Pilot Study Vacuum Pressures at Monitoring Wells vs Time

Figure 3A: Test A – LNAPL Recovery Pilot Study Water Table and LNAPL Depths vs Time

Figure 4A: Test A – LNAPL Recovery Pilot Study Vacuum Pressure vs distance from VER-1

Figure 1B: Test B – LNAPL Recovery Pilot Study Total Liquids Recovery vs Time

Figure 2B: Test B – LNAPL Recovery Pilot Study Vacuum Pressures at Monitoring Wells vs Time

Figure 3B: Test B – LNAPL Recovery Pilot Study Water Table and LNAPL Depths vs Time

Figure 4B: Test B – LNAPL Recovery Pilot Study Vacuum Pressure vs distance from VER-2

SM/KGK/klh

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cc: R. Kampf, C. Puerta - Environmental Liability Management  
R. Stetkar, S. Hains - Golder Associates



## TABLES

	TIME	Cumulative time	Drop tube depth	Flowmeter readings	Cumulative groundwater pumped	Average groundwater flow (based on GWmetre)	Groundwater flow (based on measurement at well head)	Volumetric ratio oil/water	Vacuum at pump inlet	Vacuum at HVLS	Fresh Air at pump speed	Fresh air inlet at pump	Fresh air inlet at pump	Air at pump speed
		(min)	(ft)	(gallons)	(gallons)	(gpm)	(gpm)	(%)	("Hg)	("Hg)	(m/s)	m3/s	(SCFM)	(m/s)
DAY 1 (Sept 3rd)	7:30	-	-	593134.2	-	-	-	-	-	-	-	-	-	-
	11:35	0	12'	no flow	-	-	-	-	12.25	11	-	-	-	-
	11:45	10	12'	no flow	-	-	-	-	12.25	11	-	-	-	-
	11:50	15	12'	no flow	-	-	-	-	18	15.5	-	-	-	-
	11:52	17	System off	-	-	-	-	-	10	9	-	-	-	-
	11:55	20	12'8"	-	-	-	-	-	21	19	-	-	-	-
	12:00	25	12'8"	-	-	-	-	-	15	14	-	-	-	-
	12:05	30	13'	-	-	-	-	-	15	15	-	-	-	-
	12:10	35	12'10"	-	-	-	-	-	15	15.5	-	-	-	-
	12:15	40	13'	-	-	-	-0.5	-	15	15.75	5.1	0.04	87.61	-
	12:30	55	13'2"	-	-	-	-1	-	15	17	5.5	0.04	94.48	6.95
	13:00	85	13'2"	-	-	-	0.9	3	15	17.75	5.4	0.04	92.76	6.9
	14:00	145	13'4"	-	-	-	1.1	2.3	15	17.75	5.4	0.04	92.76	6.8
	15:00	205	13'4"	593268.6	134.4	0.81	1.05	2.5	15	17.75	0	0.00	0.00	6.8
	15:30	235	13'4"	593268.6	134.4	0.69	-	-	24	26.5	0	0.00	0.00	-
	16:00	265	13'4"	593364.4	230.2	1.02	1.1	1.9	24.5	26.5	0	0.00	0.00	2.8
	16:45	310	13'4"	593364.4	230.2	0.85	1.2	1.5	24	26	0	0.00	0.00	2.8
	17:30	355	14'	593460.5	326.30	1.04	2.2	1.1	25.5	27	0	0.00	0.00	2.1
	18:00	385	14'	-	-	-	1.9	1.6	21	22	-	-	-	-
	18:30	415	14'	593533.5	399.30	1.06	-	-	21	22	2.9	0.02	49.82	4.4
	18:45	430	13'2"	593633.8	499.60	1.28	-	-	19	21	3	0.02	51.54	4.97
	19:25	470	13'2"	593633.8	499.60	1.16	0.85	3.1	19.5	20.75	-	-	-	-
	21:05	570	13'2"	593724.8	590.60	1.11	-	-	19	20.5	2.7	0.02	46.38	4.95
DAY 2 (Sept 4th)	8:00	1225	13'2"	594223	1088.80	0.92	0.74	1.4/1.5	19	20.5	2.5	0.02	42.95	5.1
10:45 Start of test without vacuum	9:15	1300	Pump off for 15 min (Holding tank clean up)				-	-	-	-	-	-	-	-
	9:45	1330	13'2"	594258.5	1124.30	0.87	-	-	19	19.5	2.5	0.02	42.95	Air sampling
13:05 Vacuum back on	10:55	1400	13'2"	-	-	-	-	-	-	-	-	-	-	-
	11:45	1450	13'9"	594367	1232.80	0.87	0.3	1.1/4.3	20	23.5	well open to atm	-	-	4.5
13:30 to 13:36 Low vac alarm	12:30	1495	13'9"	594416.9	1282.70	0.88	-	-	20	23.5	well open to atm	-	-	4.5
	13:30	1555	13'5"	594463.5	1329.30	0.88	1.1	2/1.2	20	22	0	0.00	0.00	-
14:30 to 14:50 low vac alarm	14:30	1609	13'5"	-	-	-	-	-	-	-	-	-	-	-
	15:00	1619	13'5"	594463.5	1329.30	0.84	-	-	20	22	2.4	0.02	41.23	-
15:45 to 23:50 low vac alarm	15:30	1620	13'5"	594507	1372.80	0.87	-	-	20	23	2.5	0.02	42.95	-
	15:45	1684	13'5"	594537.1	1402.90	0.85	-	-	24	26	0	0.00	0.00	-
System off														
DAY 3 (Sept 5th)	13:00	-	-	-	-	-	-	-	-	-	-	-	-	-
Unit down until 17:15	17:05	0	-	594704.5	1402.90	-	-	-	-	-	-	-	-	-
	17:15	10	13'3"	-	-	-	-	-	19	18	-	-	-	5.4
	17:45	40	13'3"	594770.5	1468.90	1.65	0.85	1.2/1.2	19.5	20	3	0.02	51.54	5.2
	18:30	85	13'3"	594770.5	1468.90	0.78	-	-	19	21	2.9	0.02	49.82	5.3
	19:30	145	13'3"	594879.8	1578.20	1.21	0.85	3.1/2	19	20.5	3.2	0.03	54.97	5.4
	21:30	265	13'3"	594948.5	1646.90	0.92	-	-	19	21	3.1	0.03	53.25	5.1
	23:30	385	13'3"	595081	1779.40	0.98	-	-	19	20.5	3.1	0.03	53.25	5.2
No access to RAD I (entry locked)	7:30	865	13'3"	595437.1	2135.50	0.85	-	-	19	21	3	0.02	51.54	5.1
DAY 4 (Sept 6th)	8:30	925	13'3"	595525.5	2223.90	0.89	-	-	23.5	24	0	0.00	0.00	Air sampling
End of test	9:30	985	13'3"	595525.5	2223.90	0.83	0.85	2.3/1.5	24	24.5	0	0.00	0.00	Air sampling
	11:30	1105	13'3"	595626.5	2324.90	0.83	-	-	24	26	0	0.00	0.00	Air sampling
	13:00	1195	-	595703.0	2401.40	0.84	-	-	-	-	-	-	-	-

TABLE 1A  
PILOT TEST A  
FIELD DATA

	TIME	Cumulative time	Air outlet at pump	Air outlet at pump	Temperature at pump speed	VOC - Inlet	VOC - outlet	Qualitative observations of effluent
		(min)	m3/s	(SCFM)	(°F)	(ppm)	(ppm)	
DAY 1 (Sept 3rd)	7:30	-	-	-	-	-	-	-
	11:35	0	-	-	-	-	-	-
	11:45	10	-	-	-	-	-	-
	11:50	15	-	-	-	-	-	-
	11:52	17	-	-	-	-	-	-
	11:55	20	-	-	-	-	-	-
	12:00	25	-	-	-	-	-	Free product only: extraction well is being emptied
	12:05	30	-	-	-	-	-	Mix of oil and water
	12:10	35	-	-	-	-	-	-
	12:15	40	-	-	-	29	0	-
	12:30	55	0.06	119.39	-	34.5	0	-
	13:00	85	0.06	118.53	-	49.9	0	-
	14:00	145	0.06	116.81	-	47.5	0	Emulsion (oil fraction seems greater than RAD II)
	15:00	205	0.06	116.81	-	48.1	0	Separation in tube slower: 3 different layers (free product, highly concentrated emulsion and less concentrated emulsion)
	15:30	235	-	-	155	-	-	-
	16:00	265	0.02	48.10	145	34.5	0	-
	16:45	310	0.02	48.10	145	44.5	0	-
	17:30	355	0.02	36.07	140	45.5	0	-
	18:00	385	-	-	-	-	-	-
	18:30	415	0.04	75.59	150	62.9	0	-
	18:45	430	0.04	85.38	150	43	0	-
	19:25	470	-	-	150	-	-	Emulsion (oil fraction seems greater than RAD II)
	21:05	570	0.04	85.03	150	33.6	0	-
DAY 2 (Sept 4th)	8:00	1225	0.04	87.61	-	31	-	Emulsion (oil fraction seems greater than RAD II)
	9:15	1300	-	-	-	-	-	-
	9:45	1330	-	-	-	Air sampling	Air sampling	-
	10:45 Start of test without vacuum	1400	-	-	-	-	-	-
	11:45	1450	0.04	77.30	-	Air sampling	Air sampling	No free product observed in pumped fluid
	12:30	1495	0.04	77.30	-	Air sampling	Air sampling	-
	13:05 Vacuum back on	1555	-	-	-	Air sampling	Air sampling	Emulsion (oil fraction seems greater than RAD II)
	14:30	1609	-	-	-	-	-	-
	13:30 to 13:36 Low vac alarm	1619	-	-	-	Air sampling	Air sampling	-
	14:30 to 14:50 low vac alarm	1620	-	-	-	Air sampling	Air sampling	-
	15:45	1684	-	-	-	Air sampling	Air sampling	-
	15:45 to 23:50 low vac alarm							-
								-
DAY 3 (Sept 5th)	13:00	-	-	-	-	-	-	-
	17:05	0	-	-	-	-	-	Emulsion (oil fraction seems greater than RAD II)
	17:15	10	0.04	92.76	176	89.7	0	Separation in tube slower: 3 different layers (free product, highly concentrated emulsion and less concentrated emulsion)
	17:45	40	0.04	89.33	176	76.8	0	-
	18:30	85	0.04	91.05	176	69.6	1.3	-
	19:30	145	0.04	92.76	176	61.1	0	-
	21:30	265	0.04	87.61	176	63.2	0	-
	23:30	385	0.04	89.33	176	58.3	1.3	-
No access to RAD I (entry locked)								-
DAY 4 (Sept 6th)	7:30	865	0.04	87.61	176	30.1	0	-
	8:30	925	-	-	176	Air sampling	Air sampling	Emulsion (oil fraction seems greater than RAD II)
	9:30	985	-	-	176	Air sampling	Air sampling	-
	11:30	1105	-	-	176	Air sampling	Air sampling	-
End of test	13:00	1195	-	-	-	-	-	-

	TIME	Cumulative time	Extraction well (VER-2)		PSMW-1				GAL-11				GAL-21		
		(min)	Pressure at annulus ("H2O)	Pressure at drop tube ("Hg)	Vacuum ("H2O)	Product depth (ft)	Water depth (ft)	Thickness of free product (ft)	Vacuum ("H2O)	Product depth (ft)	Water depth (ft)	Thickness of free product (ft)	Vacuum ("H2O)	Product depth (ft)	Water depth (ft)
DAY 1 (Sept 3rd)	7:30	-	-	-	-	14.2	17.23	3.03	-	14.66	18.3	3.64	-	13.66	17.65
	11:35	0	9	4	-	-	-	-	-	-	-	-	-	-	-
	11:45	10	8.5	4	-	-	-	-	-	-	-	-	-	-	-
	11:50	15	10	5	2.4	13.21	16.6	3.39	-	14.62	18.16	3.54	-	13.53	17.15
	11:52	17	9	3	-	-	-	-	-	-	-	-	-	-	-
	11:55	20	9	8	2.4	-	-	-	-	-	-	-	-	-	-
	12:00	25	9	5.5	-	-	-	-	-	-	-	-	-	-	-
	12:05	30	7	5	-	-	-	-	-	-	-	-	-	-	-
	12:10	35	5	7.5	-	-	-	-	-	-	-	-	-	-	-
	12:15	40	5.5	7	-	-	-	-	-	-	-	-	-	-	-
	12:30	55	5.5	5	-	-	-	-	-	-	-	-	-	-	-
	13:00	85	4.5	5	1.2	13.21	16.76	3.55	-	14.62	18.09	3.47	-	13.53	17.23
	14:00	145	4.5	5	1.1	13.19	16.83	3.65	-	14.58	18.03	3.44	-	13.50	17.21
	15:00	205	5	4.5	1.25	13.17	16.83	3.66	-	14.58	18.01	3.43	-	13.50	17.16
	15:30	235	6	6	1.4	13.17	16.75	3.58	-	14.58	17.96	3.38	-	13.50	17.14
	16:00	265	6	6	-	-	-	-	-	-	-	-	-	-	-
	16:45	310	6	6	1.4	13.21	16.75	3.54	-	14.58	17.96	3.38	-	13.53	17.14
	17:30	355	-	6	1.1	13.21	17.01	3.81	-	14.58	17.96	3.38	-	13.53	17.29
	18:00	385	-	6.5	1.2	13.21	17.01	3.81	-	14.58	17.96	3.38	-	13.53	17.36
	18:30	415	-	6.5	-	13.21	16.81	3.61	-	14.58	17.96	3.38	-	13.55	17.27
	18:45	430	-	5.5	-	-	-	-	-	-	-	-	-	-	-
	19:25	470	-	5.5	-	-	-	-	-	-	-	-	-	-	-
	21:05	570	-	-	1.5	13.22	16.75	3.53	-	14.63	18.14	3.51	-	13.55	17.39
DAY 2 (Sept 4th)	8:00	1225	6.5	5	1.7	13.25	17.22	3.97	0.5	14.68	18.29	3.61	1.1	13.57	17.52
	9:15	1300	6	5	-	-	-	-	-	-	-	-	-	-	-
	9:45	1330	-	-	1.7	13.25	17.22	3.97	-	14.68	18.29	3.61	-	13.57	17.55
	10:45 Start of test without vacuum	1400	-	-	0.5	13.22	17.22	4.00	-	-	-	-	0.4	13.55	17.55
	11:45	1450	0	5	-	13.22	17.22	4.00	-	-	-	-	-	13.55	17.55
	12:30	1495	0	5	0.45	13.22	17.18	3.95	0	14.65	18.26	3.61	0.2	13.55	17.55
	13:05 Vacuum back on	1555	-	-	1.45	13.22	17.01	3.79	-	-	-	-	1	13.55	17.55
	14:30	1609	-	-	1.45	13.22	16.85	3.63	-	-	-	-	0.8	13.53	17.29
	13:30 to 13:36 Low vac alarm	1619	6	5.5	1.45	-	-	-	-	-	-	-	-	-	-
	14:30 to 14:50 low vac alarm	1620	-	-	1.45	13.22	16.83	3.61	0.2	14.63	18.13	3.49	0.8	13.53	17.29
	15:45	1684	6	6	-	-	-	-	-	-	-	-	-	-	-
	System off														
	15:45 to 23:50 low vac alarm														
DAY 3 (Sept 5th)	13:00	-	-	-	-	13.25	17.26	4.00	-	14.70	18.37	3.67	-	13.60	17.70
	17:05	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:15	10	6	6	1.35	13.24	16.83	3.59	-	13.94	17.93	3.99	0.75	13.55	17.29
	17:45	40	6	5	1.6	13.25	16.90	3.64	-	-	-	-	1	13.55	17.36
	18:30	85	6	5.5	1.6	13.27	16.91	3.64	-	-	-	-	1	13.57	17.32
	19:30	145	6	5.5	1.6	13.27	16.90	3.63	0.3	14.67	18.14	3.48	0.95	13.58	17.32
	21:30	265	6	5.25	1.6	13.29	16.93	3.64	0.3	14.67	18.21	3.54	0.95	13.58	17.40
	23:30	385	6	5	-	-	-	-	-	-	-	-	-	-	-
No access to RAD I (entry locked)															
DAY 4 (Sept 6th)	7:30	865	6	5.25	1.8	13.24	16.77	3.53	0.5	14.63	18.03	3.40	1.1	13.53	17.26
	8:30	925	6.25	5.5	-	-	-	-	-	-	-	-	-	-	-
	9:30	985	6.25	5.25	1.7	13.25	16.75	3.49	0.5	14.63	18.06	3.43	1.1	13.53	17.27
	11:30	1105	6.25	5.5	1.9	13.24	16.75	3.51	0.5	14.62	18.04	3.43	1.2	13.53	17.26
End of test	13:00	1195	-	-	-	-	-	-	-	-	-	-	-	-	-

	TIME	Cumulative time		MW-10				
		(min)	Thickness of free product (ft)	Vacuum ("H2O)	Product depth (ft)	Water depth (ft)	Thickness of free product (ft)	
DAY 1 (Sept 3rd)	7:30	-	3.99	-	14.61	17.45	2.84	
	11:35	0	-	-	-	-	-	
	11:45	10	-	-	-	-	-	
	11:50	15	3.62	-	14.61	17.18	2.57	
	11:52	17	-	-	-	-	-	
	11:55	20	-	-	-	-	-	
	12:00	25	-	-	-	-	-	
	12:05	30	-	-	-	-	-	
	12:10	35	-	-	-	-	-	
	12:15	40	-	-	-	-	-	
	12:30	55	-	-	-	-	-	
	13:00	85	3.70	-	14.60	17.15	2.55	
	14:00	145	3.71	-	14.57	17.27	2.71	
	15:00	205	3.66	-	-	-	-	
	15:30	235	3.64	-	14.55	17.27	2.72	
	16:00	265	-	-	-	-	-	
	16:45	310	3.61	-	14.55	17.27	2.72	
	17:30	355	3.76	-	14.55	17.27	2.72	
	18:00	385	3.82	-	14.55	17.27	2.72	
	18:30	415	3.72	-	14.55	17.27	2.72	
	18:45	430	-	-	14.55	17.27	2.72	
	19:25	470	-	-	14.55	17.27	2.72	
	21:05	570	3.84	-	-	-	-	
DAY 2 (Sept 4th)	8:00	1225	3.95	0.0	14.60	17.55	2.95	
	9:15	1300	-	-	-	-	-	
	9:45	1330	3.99	-	-	-	-	
	10:45 Start of test without vacuum	10:55	1400	4.00	-	-	-	
	11:45	1450	4.00	-	-	-	-	
	12:30	1495	4.00	0.0	14.60	17.55	2.95	
	13:05 Vacuum back on	13:30	1555	4.00	-	-	-	
	14:30	1609	3.76	-	-	-	-	
	13:30 to 13:36 Low vac alarm	15:00	1619	-	-	-	-	
	14:30 to 14:50 low vac alarm	15:30	1620	3.76	0.0	14.60	17.55	2.95
	15:45	1684	-	-	-	-	-	
	15:45 to 23:50 low vac alarm							
	DAY 3 (Sept 5th)	13:00	-	4.10	-	14.65	17.70	3.05
		17:05	0	-	-	-	-	-
17:15		10	3.74	0.0	14.62	17.37	2.76	
17:45		40	3.81	0.0	-	-	-	
18:30		85	3.76	-	-	-	-	
19:30		145	3.74	-	14.63	17.44	2.81	
21:30		265	3.82	0.0	-	-	-	
No access to RAD I (entry locked)		23:30	385	-	-	-	-	
DAY 4 (Sept 6th)	7:30	865	3.72	-	14.60	17.27	2.67	
	8:30	925	-	-	-	-	-	
	9:30	985	3.74	0.0	14.58	17.29	2.71	
	11:30	1105	3.72	0.0	14.58	17.32	2.74	
	End of test	13:00	1195	-	-	-	-	

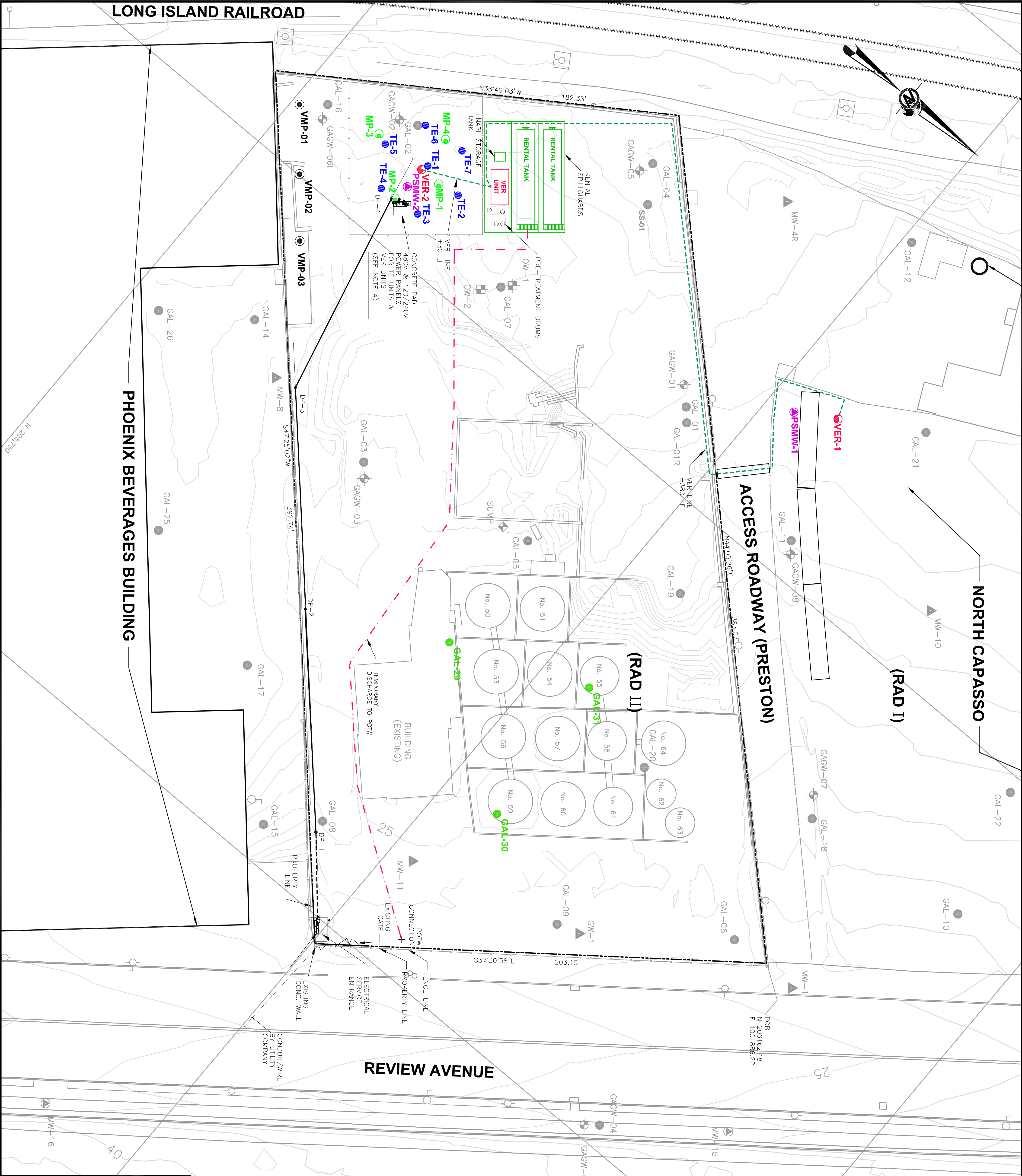
	Time	Cumulative time	Drop tube depth	Flowmeter reading	Cumulative groundwater pumped	Average groundwater flow (based on flowmeter readings)	Groundwater flow (based on measurement at well head)	Volumetric ratio oil/water	Vacuum at pump inlet	Vacuum at HVLS	Fresh Air at pump speed	Fresh air inlet at pump	Fresh air inlet at pump	Air at pump speed	Air outlet at pump	Air outlet at pump
		(min)	(ft)	(gallons)	(gallons)	(gpm)	(gpm)	(%)	("Hg)	("Hg)	(m/s)	m3/s	(SCFM)	(m/s)	m3/s	(SCFM)
Day 1 (Aug 26 <sup>th</sup> )	14:10	-	17"	588906.1	-	-	-	-	17	17	-	-	-	-	-	-
	14:30	0	17"	588906.1	-	-	-	-	18.5	20	-	-	-	-	-	-
	14:38	8	174"	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:44	14	174"	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:51	21	174"	588921.1	15	0.71	-	-	18.5	20.5	-	-	-	-	-	-
	15:00	30	174"	-	-	-	-	-	19	21	-	-	-	-	-	-
	15:20	50	174"	588985.7	79.6	1.59	-	-	19	21	-	-	-	-	-	-
	15:45	75	174"	589099.9	193.8	2.58	-	-	19	21	3.74	0.03	64.25	5.27	0.04	90.53
	16:20	110	174"	-	-	-	-	-	-	-	-	-	-	-	-	-
	16:45	135	174"	-	-	-	-	-	19	21.5	3.82	0.03	65.62	5.2	0.04	89.33
	17:43	193	174"	589194.1	288	1.49	-	-	19	22	3.8	0.03	65.28	5.3	0.04	91.05
	18:20	230	174"	589290.9	384.8	1.67	-	-	-	-	-	-	-	-	-	-
	18:25	235	174"	-	-	-	-	-	-	27.5	0	0.00	0.00	1.9	0.02	32.64
	19:15	285	174"	589391.6	485.5	1.70	-	-	27	24.5	0	0.00	0.00	1.85	0.01	31.78
	20:45	375	174"	589492.1	586	1.56	-	-	27	24.5	0	0.00	0.00	1.8	0.01	30.92
	21:15	405	Test stopped	-	-	-	-	-	-	-	-	-	-	-	-	-
Day 2 (Aug 27 <sup>th</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9:19	19	17'10"	589591.6	685.5	-	-	-	26.5	23.5	0	0.00	0.00	1.35	0.01	23.19
	9:40	40	17'10"	589626	719.9	0.86	-	-	26.5	24	-	-	-	1.4	0.01	24.05
	10:00	60	17'10"	589694	787.9	1.71	-	-	26.5	24	-	-	-	1.47	0.01	25.25
	10:15	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15:42	2	174"	-	-	-	-	-	-	-	-	-	-	-	-	-
	15:45	5	174"	589789.1	883	-	-	-	26	23.5	0	0.00	0.00	1.59	0.01	27.31
	16:00	20	-	-	-	-	1.72	0.9	-	-	-	-	-	-	-	-
	16:05	25	174"	589789.1	883	0.00	-	-	25.5	24.5	0	0.00	0.00	2.03	0.02	34.87
	16:18	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16:25	45	174"	589789.1	883	0.00	-	-	26	26.5	0	0.00	0.00	1.76	0.01	30.23
	16:43	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:00	80	174"	589894.5	988.4	1.32	-	-	26	27	0	0.00	0.00	1.77	0.01	30.41
	17:30	110	174"	589918	1011.9	1.17	-	-	26	26	0	0.00	0.00	2.04	0.02	35.04
	18:00	140	174"	589982	1075.9	1.38	1.58	1.3	26	26	0	0.00	0.00	2.06	0.02	35.39
	18:50	190	174"	-	-	-	-	-	-	-	-	-	-	-	-	-
	19:15	215	174"	590085.8	1179.7	1.38	1.51	-	25.5	24.5	-	-	-	2.14	0.02	36.76
	19:45	245	174"	590151.9	1245.8	1.48	-	-	25.5	24.5	-	-	-	1.99	0.02	34.19
Day 3 (Aug 28 <sup>th</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit was done on arrival	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit back running @ 8:40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit stop @ 10:25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit back running @ 11:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit stopped for 30min. DT lowered @ 13:55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DT lowered @ 16:04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DT lift 3" @ 19:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7:30	-	-	591118.2	2212.1	-	-	-	-	-	-	-	-	-	-	-
	8:00	-	-	591118.2	2212.1	-	-	-	-	-	-	-	-	-	-	-
	8:56	16	174"	591128.2	2222.1	0.62	-	-	25.5	23.5	0	0.00	0.00	1.85	0.01	31.78
	9:20	40	174"	591128.2	2222.1	0.25	-	-	26	24.5	0	0.00	0.00	1.6	0.01	27.49
	9:40	60	174"	591121	2214.9	0.05	1.69	0.8	26	24.5	0	0.00	0.00	1.85	0.01	31.78
	11:50	65	174"	591225.1	2319	1.64	1.75	1.1	26	24.5	0	0.00	0.00	1.84	0.01	31.61
	12:50	125	174"	591266.5	2360.4	1.19	-	-	26	24.5	0	0.00	0.00	1.66	0.01	28.52
	13:20	155	174"	591304.5	2398.4	1.20	-	-	26	27	0	0.00	0.00	1.76	0.01	30.23
	14:00	165	177"	591378.3	2472.2	1.58	1.96	1.3	26	27.5	0	0.00	0.00	1.74	0.01	29.89
	14:30	195	177"	591518.8	2612.7	2.05	-	-	26	27.5	0	0.00	0.00	1.81	0.01	31.09
	15:00	225	177"	591518.8	2612.7	1.78	1.72	1.3	26	28	0	0.00	0.00	1.69	0.01	29.03
	15:30	255	177"	-	-	-	1.83	0.5	26	28	0	0.00	0.00	1.88	0.02	32.30
	16:10	295	17'10"	591654	2747.9	1.82	1.90	1.4	26	28	0	0.00	0.00	2	0.02	34.36
	16:40	325	17'10"	591746	2839.9	1.93	-	-	26	28	0	0.00	0.00	1.69	0.01	29.03
	17:30	375	17'10"	591785	2878.9	1.78	1.88	1.1	26.5	28	0	0.00	0.00	1.45	0.01	24.91
	18:45	450	17'10"	591945.5	3039.4	1.84	1.98	1.1	26.5	28	-	-	-	1.51	0.01	25.94
	19:45	510	177"	592111	3204.9	1.95	1.80	1.6	-	-	-	-	-	-	-	-
Day 4 (Aug 29 <sup>th</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit is down on arrival	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GWTT work on unit: 08:10 to 8:20 and 8:40 to 10:09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Clay filters changed to fiber glass	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DT lift 4" @ 10h39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DT lift 3" @ 11h02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DT lift 2" @ 12h02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7:50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8:06	0	177"	592455.6	3549.5	-	-	-	28	24.5	0	0.00	0.00	1.49	0.01	25.60
	8:36	20	177"	592476	3569.9	1.02	-	-	25.5	23.5	0	0.00	0.00	1.68	0.01	28.86
	9:55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:10	25	177"	592534.5	3628.4	3.16	-	-	26	23.5	0	0.00	0.00	1.72	0.01	29.55
	10:30	45	177"	592545	3638.9	1.99	-	-	26	24	0	0.00	0.00	1.75	0.01	30.06
	10:45	60	173"	592595	3688.9	2.32	1.45	1.2	25	24	0	0.00	0.00	2.5	0.02	42.95
	11:20	95	170"	-	-	-	1.05	1.4	-	-	-	-	-	-	-	-
	11:35	110	170"	592638	3731.9	1.66	1.26	1.2	25	24	0	0.00	0.00	-	-	-
	12:10	145	16'10"	592715	3808.9	1.79	-	-	25	24	0	0.00	0.00	2.23	0.02	38.31
	12:40	175	16'10"	592761.6	3855.5	1.75	0.93	1.6	25	24	0	0.00	0.00	2.3	0.02	39.51
	13:40	235	16'10"	592808	3901.90	1.50	0.84	1.5	25	24	0	0.00	0.00	2.2	0.02	37.79
	14:45	300	16'11"	592878.5	3972.4	1.41	0.84	1.7	25	27	0	0.00	0.00	2.18	0.02	37.45
	15:57	372	16'11"	592993	4086.90	1.44	-	-	25	26.5	0	0.00	0.00	sampling	-	-
	16:50	425	16'11"	-	-	-	1.14	1.5	-	-	-	-	-	-	-	-
	Test stopped	17:10	-	593071.5	4165.40	1.38	-	-	-	-	-	-	-	-	-	-

	Time	Cumulative time	Temperature at pump speed	VOC - Inlet	VOC - outlet	Qualitative observations of effluent	Extraction well (VER-2)		PSMW-2				GAL-02R		
		(min)	(°F)	(ppm)	(ppm)		Pressure at annulus ("H <sub>2</sub> O)	Pressure at drop tube ("Hg)	Vacuum ("H <sub>2</sub> O)	Product depth (ft)	Water depth (ft)	Thickness of free product (ft)	Vacuum ("H <sub>2</sub> O)	Product depth (ft)	Water depth (ft)
Day 1 (Aug 26 <sup>th</sup> )	14:10	-	170	-	-	Product only (Well is being emptied)	9	5	1.1	16.1	22.42	6.32	0.6	14.69	21.43
	14:30	0	176	19.6	-	Mix of oil and water	6.5	5	0.8	-	-	-	0.5	-	-
	14:38	8	-	-	-	Mix of oil and water	6	5	0.7	16.42	22.51	6.09	0.4	14.71	21.81
	14:44	14	-	-	-	Emulsion (small oil fraction)	-	-	-	-	-	-	-	-	-
	14:51	21	176	-	-	No significant free product in effluent (Grab sample)	6	5	-	-	-	-	-	-	-
	15:00	30	-	-	-	Emulsion (small oil fraction)	-	-	0.8	16.42	22.51	6.09	0.4	17.67	22.11
	15:20	50	178	21.8	-	Emulsion (small oil fraction)	6	5	-	-	-	-	-	-	-
	15:45	75	178	21.4	-	Emulsion (small oil fraction)	6	5	0.7	16.41	22.49	6.08	0.4	14.69	22.19
	16:20	110	-	4.2	-	Emulsion (small oil fraction)	-	-	0.7	16.41	22.41	6	0.4	14.69	21.95
	16:45	135	-	-	-	Emulsion (small oil fraction)	6	5	-	-	-	-	-	-	-
	17:43	193	176	22.1	10.4	Emulsion (small oil fraction)	6	5	0.7	16.42	22.32	5.9	-	14.65	21.2
	18:20	230	-	-	-	-	-	-	-	-	-	-	-	-	-
	18:25	235	170	24.8	3.2	Emulsion (small oil fraction)	8	8.5	1.05	-	-	-	0.5	14.68	21.3
	19:15	285	170	27.4	0.9	Emulsion + free product	8	8.5	1.1	16.4	22.38	5.98	0.5	14.71	21.37
	20:45	375	170	30.8	0.6	Emulsion + free product	8	8.5	1.1	16.5	22.39	5.89	0.7	14.76	21.4
	21:15	405	-	-	-	-	-	-	-	-	-	-	-	-	-
Day 2 (Aug 27 <sup>th</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9:00	-	-	-	-	-	-	-	-	16.4	22.17	5.77	-	14.71	21.13
	9:19	19	143	28.5	0.1	Emulsion + free product	8	9.5	0.9	16.52	22.52	6	0.6	14.78	22.11
	9:40	40	170	35.2	0.7	Emulsion + free product	7.5	9.5	1	16.53	22.58	6.05	0.6	14.78	21.5
	10:00	60	170	34.5	1.4	Emulsion + free product	7.5	9.5	1	16.54	22.5	5.96	0.6	14.79	21.38
	10:15	75	-	-	-	-	-	-	-	-	-	-	-	-	-
	15:42	2	-	-	-	-	-	-	-	16.41	22.11	5.7	-	14.71	21.21
	15:45	5	148	30.8	14.6	Emulsion + free product	8.5	8	-	-	-	-	-	-	-
	16:00	20	-	-	-	Emulsion + free product	-	-	1.2	16.46	22.4	5.94	0.7	14.73	21.23
	16:05	25	170	36.1	2	Emulsion + free product	8.5	8	-	-	-	-	-	-	-
	16:18	38	-	-	-	-	-	-	1.1	16.48	22.51	6.03	0.7	14.74	21.29
	16:25	45	170	30.8	0	Emulsion + free product	8.5	8	-	-	-	-	-	-	-
	16:43	63	-	-	-	-	-	-	1.1	16.48	22.5	6.02	0.7	14.71	21.35
	17:00	80	170	-	0	Emulsion + free product	8.5	8	-	-	-	-	-	-	-
	17:30	110	170	31.2	0	Emulsion + free product	8.5	8	-	-	-	-	-	-	-
	18:00	140	170	32.4	0.3	Emulsion + free product	8.5	8	1.1	16.51	22.48	5.97	0.7	14.74	21.34
	18:50	190	-	-	-	-	-	-	1.1	16.51	22.46	5.95	0.7	14.74	21.5
	19:15	215	170	35.3	0.9	-	8.5	8	-	-	-	-	-	-	-
	19:45	245	170	34.1	0.8	Emulsion + free product	8.5	8	1.1	16.5	22.3	5.8	0.7	14.71	21.2
Day 3 (Aug 28 <sup>th</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit was done on arrival	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit back running @ 8:40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8:56	16	164	46.5	0.8	Emulsion + free product	8.5	8	0.9	16.43	21.25	4.82	0.6	14.71	19.96
	Unit stop @ 10:25	40	170	47.4	1.8	Emulsion + free product	8.5	8	1.1	16.45	22.21	5.76	0.6	14.71	21.11
	Unit back running @ 11:45	60	170	43.6	1.8	Emulsion + free product	8.5	8	1.1	16.48	22.19	5.71	0.6	14.73	21.15
	11:50	65	170	44.9	1.5	Emulsion + free product	8.5	8	1.1	16.43	22	5.57	0.6	14.71	21.15
	12:50	125	170	42	1.7	Emulsion + free product	8.5	8	1.1	16.47	22.3	5.83	0.6	14.71	21.32
	Unit stopped for 30min. DT lowered @ 13:55	135	170	41.6	2.1	Emulsion + free product	8.5	8	1.1	16.5	22.29	5.79	0.6	14.77	21.25
	14:00	165	170	42.4	2.1	Emulsion + free product	8.5	8	1.1	16.55	22.35	5.8	0.6	14.28	21.35
	14:30	195	170	43.2	1.6	Emulsion + free product	8.5	8	1.1	16.54	22.43	5.89	0.6	14.8	21.1
	15:00	225	170	42.9	1.3	Emulsion + free product	8.5	8	1.1	16.54	22.45	5.91	0.6	14.79	21.52
	15:30	255	170	-	-	-	8.5	8	1.1	16.53	22.43	5.9	0.6	14.76	20.11
	DT lowered @ 16:04	295	170	-	-	Emulsion + free product	7.5	9	1	16.54	22.3	5.76	0.6	14.76	21.05
	16:40	325	170	-	-	Emulsion + free product	7.5	8.5	1	16.55	22.41	5.86	0.6	14.75	21.15
	17:30	375	170	47.5	1.4	Emulsion + free product	7.5	8.5	1	16.51	21.15	4.64	0.6	14.75	21.24
	DT lift 3" @ 19:20	450	170	48.6	1.7	Emulsion + free product	7.5	8.5	1	16.52	22.27	5.75	0.6	14.71	21.25
	19:45	510	-	-	-	-	-	-	-	-	-	-	-	-	-
Day 4 (Aug 29 <sup>th</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit is down on arrival	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GWTT work on unit: 8:06	0	130	43.8	0.8	Emulsion + free product	7.5	8.5	-	-	-	-	-	-	-
	8:36	20	170	64.2	2.1	Emulsion + free product	-	-	-	16.48	22.31	5.83	-	14.73	21.06
	8:40 to 10:09	-	-	-	-	Emulsion + free product	-	-	0.8	16.33	22	5.67	0.5	14.67	20.97
	Clay filters changed to fiber glass	25	170	51.3	2.4	Emulsion + free product	7.5	8.5	-	16.45	22.11	5.66	-	14.71	20.28
	DT lift 4" @ 10h39	45	170	59.6	2	Emulsion + free product	8	8.5	-	-	-	-	-	-	-
	10:45	60	170	116	10.6	Emulsion + free product	8.5	8.5	-	16.45	22.22	5.77	-	14.71	21.08
	11:20	95	-	-	-	-	-	-	-	16.45	22.12	5.67	0.5	14.72	20.95
	DT lift 3" @ 11h02	110	170	-	-	Emulsion + free product	-	-	1.3	16.42	22.11	5.69	-	14.71	20.85
	12:10	145	172	-	-	Emulsion + free product	10	8	1.3	16.45	22.05	5.6	0.8	14.71	20.45
	DT lift 2" @ 12h02	175	172	31.1	1.1	Emulsion + free product	10	7.5	-	16.44	22.1	5.66	-	14.71	21
	13:40	235	172	27.1	6.4	Emulsion + free product	10	7	1.3	16.44	22.15	5.71	0.8	14.71	21.15
	14:45	300	172	33.4	2	Emulsion + free product	9.5	8	-	16.44	22.15	5.71	-	14.71	21.15
	15:57	372	72	sampling	sampling	Emulsion + free product	10	7.5	1.3	16.48	22.1	5.62	0.8	14.75	21.15
	16:50	425	-	-	-	Emulsion + free product	-	-	-	-	-	-	-	-	-
	Test stopped	445	-	-	-	Emulsion + free product	-	-	-	-	-	-	-	-	-

	Time	Cumulative time	Thickness of free product (ft)	GAL-16R				GAL-07				GACW-02	
		(min)		Vacuum ("H2O)	Product depth (ft)	Water depth (ft)	Thickness of free product (ft)	Vacuum ("H2O)	Product depth (ft)	Water depth (ft)	Thickness of free product (ft)	Vacuum ("H2O)	Water depth (ft)
<b>Day 1 (Aug 26<sup>th</sup>)</b>	14:10	-	6.74	0.4	15.22	21.96	6.74	-	-	-	-	-	-
	14:30	0	-	0.4	-	-	-	-	-	-	-	-	-
	14:38	8	7.1	0.3	15.2	21.89	6.69	-	-	-	-	-	-
	14:44	14	-	-	-	-	-	-	-	-	-	-	-
	14:51	21	-	-	-	-	-	-	-	-	-	-	-
	15:00	30	4.44	0.3	15.2	22.1	6.9	-	-	-	-	-	-
	15:20	50	-	-	-	-	-	-	-	-	-	-	-
	15:45	75	7.5	0.25	15.1	21.87	6.77	-	-	-	-	-	-
	16:20	110	7.26	0.25	15.15	21.9	6.75	-	-	-	-	-	-
	16:45	135	-	-	-	-	-	-	-	-	-	-	-
	17:43	193	6.55	-	15.15	21.8	6.65	-	-	-	-	-	-
	18:20	230	-	-	-	-	-	-	-	-	-	-	-
	18:25	235	6.62	0.45	15.15	21.77	6.62	-	-	-	-	0	-
	19:15	285	6.66	0.45	15.15	21.88	6.73	-	-	-	-	-	-
	20:45	375	6.64	0.45	15.21	21.9	6.69	-	-	-	-	1.05	-
	21:15	405	-	-	-	-	-	-	-	-	-	-	-
<b>Day 2 (Aug 27<sup>th</sup>)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
	9:00	-	6.42	-	15.22	21.73	6.51	-	18.04	24.12	6.08	-	-
	9:19	19	7.33	0.4	15.23	21.71	6.48	-	18.06	24.18	6.12	-	-
	9:40	40	6.72	0.4	15.23	21.74	6.49	-	-	-	-	0	17.12
	10:00	60	6.59	0.4	15.25	21.86	6.61	-	18.06	24.24	6.18	0.2	-
	10:15	75	-	-	-	-	-	-	-	-	-	-	-
	15:42	2	6.5	-	15.19	21.45	6.26	-	-	-	-	-	-
	15:45	5	-	-	-	-	-	-	-	-	-	-	-
	16:00	20	6.5	0.4	15.21	21.65	6.44	-	-	-	-	-	-
	16:05	25	-	-	-	-	-	-	-	-	-	-	-
	16:18	38	6.55	0.4	15.2	21.84	6.64	-	-	-	-	-	-
	16:25	45	-	-	-	-	-	-	-	-	-	-	-
	16:43	63	6.64	0.4	15.2	21.83	6.63	-	-	-	-	-	-
	17:00	80	-	-	-	-	-	-	-	-	-	-	-
	17:30	110	-	-	-	-	-	-	-	-	-	-	-
	18:00	140	6.6	0.4	15.21	21.86	6.65	-	-	-	-	-	-
	18:50	190	6.76	0.4	15.2	21.86	6.66	-	18.02	24.09	6.07	-	-
	19:15	215	-	-	-	-	-	-	-	-	-	-	-
	19:45	245	6.49	0.4	15.18	21.78	6.6	-	-	-	-	-	-
<b>Day 3 (Aug 28<sup>th</sup>)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit was done on arrival	-	-	-	-	-	-	-	-	-	-	-	-
	Unit back running' @ 8:40	-	6.3	-	15.19	21.64	6.45	-	18	24.09	6.09	-	17.12
	Unit stop @ 10:25	40	6.4	0.4	15.18	21.61	6.43	-	-	-	-	-	-
	Unit back running' @ 11:45	60	6.42	0.4	15.18	21.62	6.44	-	-	-	-	-	-
	Unit stopped for 30min. DT lowered @ 13:55	65	6.44	0.4	15.15	21.6	6.45	-	-	-	-	-	-
		125	6.61	0.4	15.18	21.7	6.52	-	-	-	-	-	-
		155	6.48	0.4	15.21	21.85	6.64	-	-	-	-	-	-
		165	7.07	0.4	15.21	21.9	6.69	-	-	-	-	-	-
		195	6.3	0.4	15.23	21.98	6.75	-	-	-	-	-	-
		225	6.73	0.4	15.22	21.88	6.66	-	-	-	-	-	-
		255	5.35	0.4	15.41	22	6.59	-	-	-	-	-	-
	DT lowered @ 16:04	295	6.29	0.4	15.22	21.8	6.58	-	-	-	-	-	-
		325	6.4	0.4	15.19	22.05	6.86	-	-	-	-	-	-
		375	6.49	0.4	15.17	21.75	6.58	-	17.99	24.14	6.15	-	-
	DT lift 3" @ 19:20	450	6.54	0.4	15.15	21.87	6.72	-	-	-	-	-	-
		510	-	-	-	-	-	-	-	-	-	-	-
<b>Day 4 (Aug 29<sup>th</sup>)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit is down on arrival	-	6.55	-	15.18	21.8	6.62	-	18.02	24.19	6.17	-	17.4
	GWTT work on unit: 08:10 to 8:20 and 8:40 to 10:09	0	-	-	-	-	-	-	-	-	-	-	-
	Clay filters changed to fiber glass	20	6.33	-	15.17	21.45	6.28	-	-	-	-	-	-
	DT lift 4" @ 10h39	9:55	6.3	0.4	15.14	21.8	6.66	-	-	-	-	-	-
		25	5.57	-	15.15	21.61	6.46	-	-	-	-	-	-
		45	-	-	-	-	-	-	-	-	-	-	-
		60	6.37	-	15.16	21.73	6.57	-	-	-	-	-	-
		95	6.23	0.5	15.19	21.45	6.26	-	-	-	-	-	-
	DT lift 3" @ 11h02	110	6.14	-	15.15	21.65	6.5	-	-	-	-	-	-
		145	5.74	0.5	15.15	21	5.85	-	-	-	-	-	-
	DT lift 2" @ 12h02	175	6.29	-	15.15	21.75	6.6	-	-	-	-	-	-
		235	6.44	0.5	15.15	21.79	6.64	-	-	-	-	-	-
		300	6.44	-	15.15	21.55	6.4	-	-	-	-	-	-
		372	6.4	-	15.2	21.9	6.7	-	-	-	-	-	-
		425	-	-	-	-	-	-	-	-	-	-	-
	Test stopped	445	-	-	-	-	-	-	-	-	-	-	-



## FIGURES



LEGEND

- PROPOSED THERMAL ENHANCEMENT (TE) UNIT
- FOR LNAPL PILOT TEST
- PROPOSED VACUUM ENHANCEMENT RECOVERY (VER) WELL
- FOR LNAPL PILOT TEST
- PROPOSED MONITORING WELL FOR LNAPL PILOT TEST
- PROPOSED TEMPERATURE AND VAPOR MONITORING POINT FOR LNAPL PILOT TEST
- PROPOSED VAPOR MONITORING POINT
- PROPOSED LNAPL MONITORING WELL
- LNAPL MONITORING WELL (GOLDER ASSOCIATES 2003/2004/2005) (SEE REFERENCE 2)
- SHALLOW GROUNDWATER MONITORING WELL (GOLDER ASSOCIATES 2004) (SEE REFERENCE 2)
- DEEP GROUNDWATER MONITORING WELL (GOLDER ASSOCIATES 2003/2004) (SEE REFERENCE 2)
- ROEHR CHEMICAL INVESTIGATION WELL LOCATION (NOVEMBER 2000) (SEE REFERENCE 2)
- EXISTING ON-SITE AND OFF-SITE MONITORING WELL LOCATION (SEE REFERENCE 2)
- EXISTING OFF-SITE MONITORING WELL LOCATION (LOCATION APPROXIMATE)
- SUMP (SEE REFERENCE 2)
- LNAPL PILOT TEST STUDY OBSERVATION WELL (GOLDER ASSOCIATES 2004) (SEE REFERENCE 2)
- EXISTING OFF-PROPERTY MONITORING WELL LOCATIONS (SEE REFERENCES 5 AND 6)
- EXISTING ABOVE GROUND TANK (REPORTED TO BE EMPTY AND DECONTAMINATED)

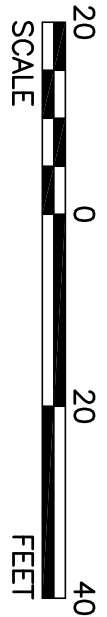
- RADI PROPERTY BOUNDARY (SEE REFERENCE 3)
- RAILROAD
- FENCE LINE
- 5 FOOT CONTOUR LINE (FT.-MSL)
- 1 FOOT CONTOUR LINE (FT.-MSL)
- TREATED GROUNDWATER DISCHARGE LINE (ABOVEGROUND)
- VER LINE (ABOVEGROUND)

NOTES

- 1.) ACTUAL LOCATION OF ELECTRICAL EQUIPMENT, RENTAL TANK, VER SYSTEM, CONVEYANCE LINE AND UTILITY POLES SUBJECT TO CHANGE PENDING SITE CONDITIONS AT TIME OF MOBILIZATION.
- 2.) SITE CONDITIONS AND CONTOURS SUBJECT TO CHANGE AS DEBRIS REMOVAL AND GRADING ACTIVITIES ARE IN PROGRESS.


REFERENCES

- 1.) BASE MAP TAKEN FROM DIGITAL FILE 2148.dwg, ENTITLED TOPOGRAPHIC SURVEY OF QUANTA RESOURCES SUPERFUND SITE, LONG ISLAND CITY, NY, PROVIDED BY GEOD CORPORATION, DATED JANUARY 11, 2004.
- 2.) WELL COORDINATES TAKEN FROM A MICROSOFT EXCEL FILE Quanta Samples and Wells.xls, 2148A 8-23-04.xls AND 2148A 4-11-05.xls, PROVIDED BY GEOD CORP.



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	REV
PROJECT			REVIEW AVENUE DEVELOPMENT II PILOT STUDY WORK PLAN QUEENS COUNTY, NEW YORK			
TITLE						

SITE AND STUDY AREA LOCATION MAP



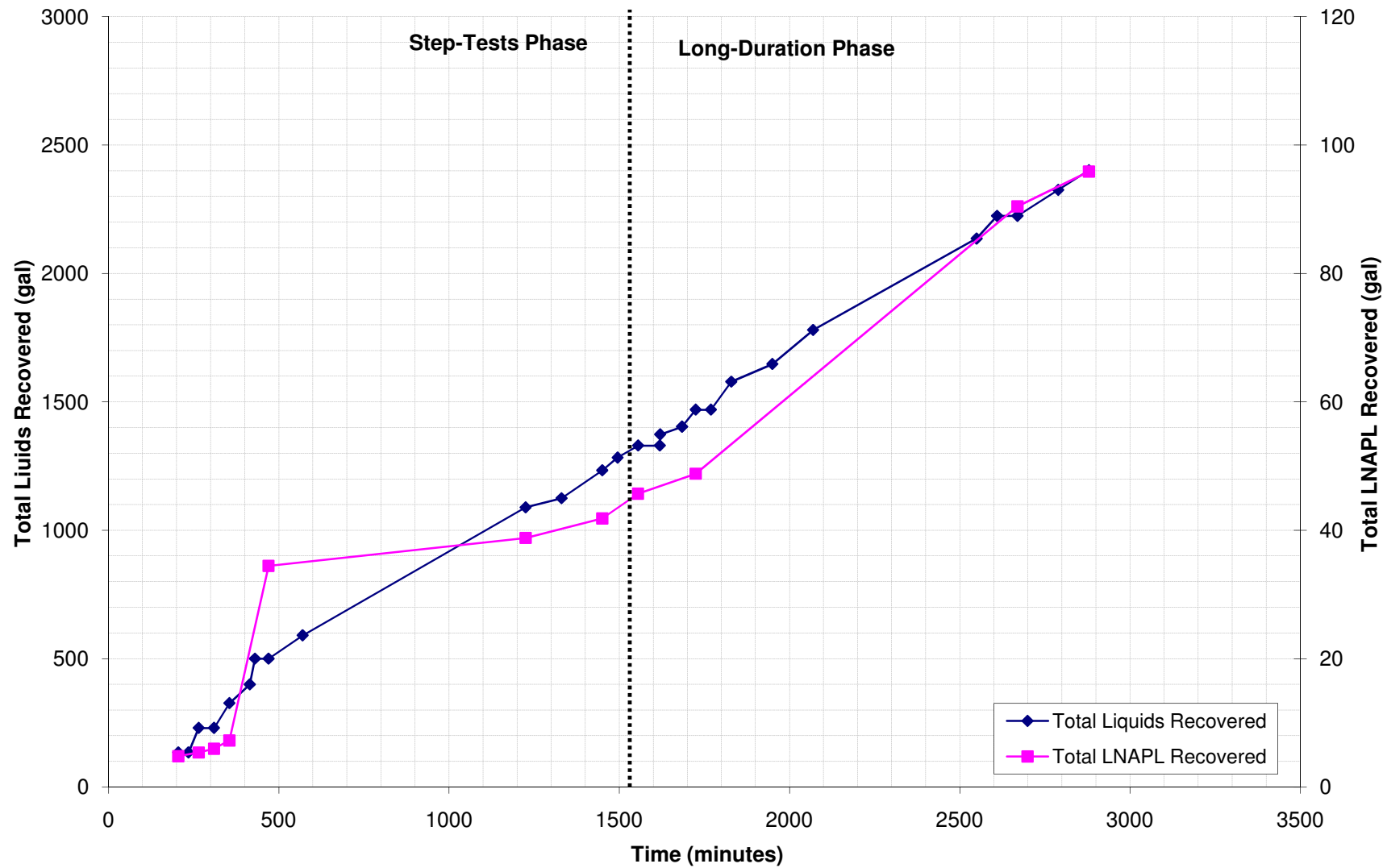
**Golder Associates**  
Philadelphia USA

PROJECT No. 023-6151-001	FILE No. 0236151001A001
DESIGN KKK 08/16/07	SCALE AS SHOWN REV. 0
CADD KKK 08/16/07	
CHECK KKK 06/02/08	
REVIEW RES 06/02/08	

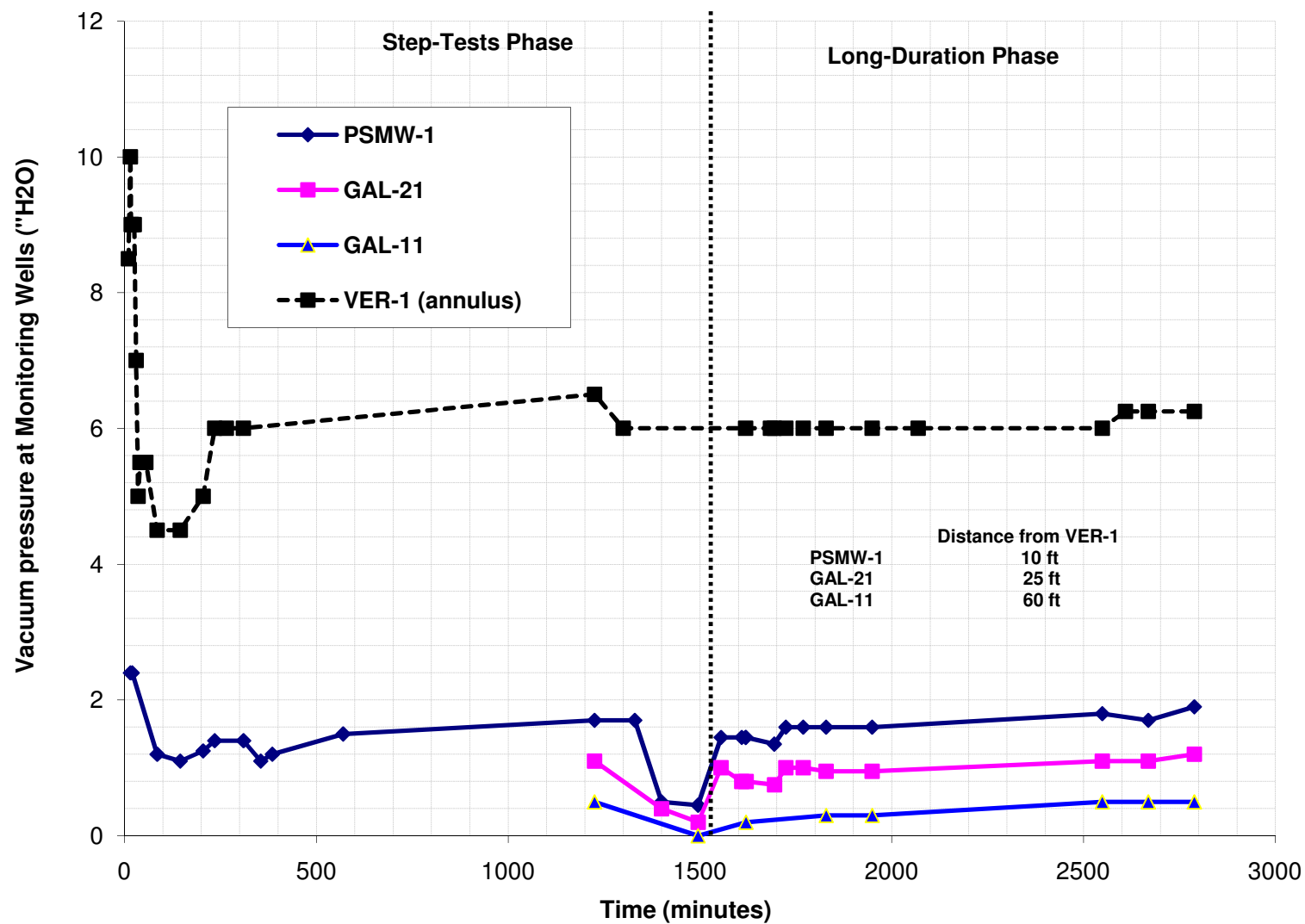
**FIGURE 1**



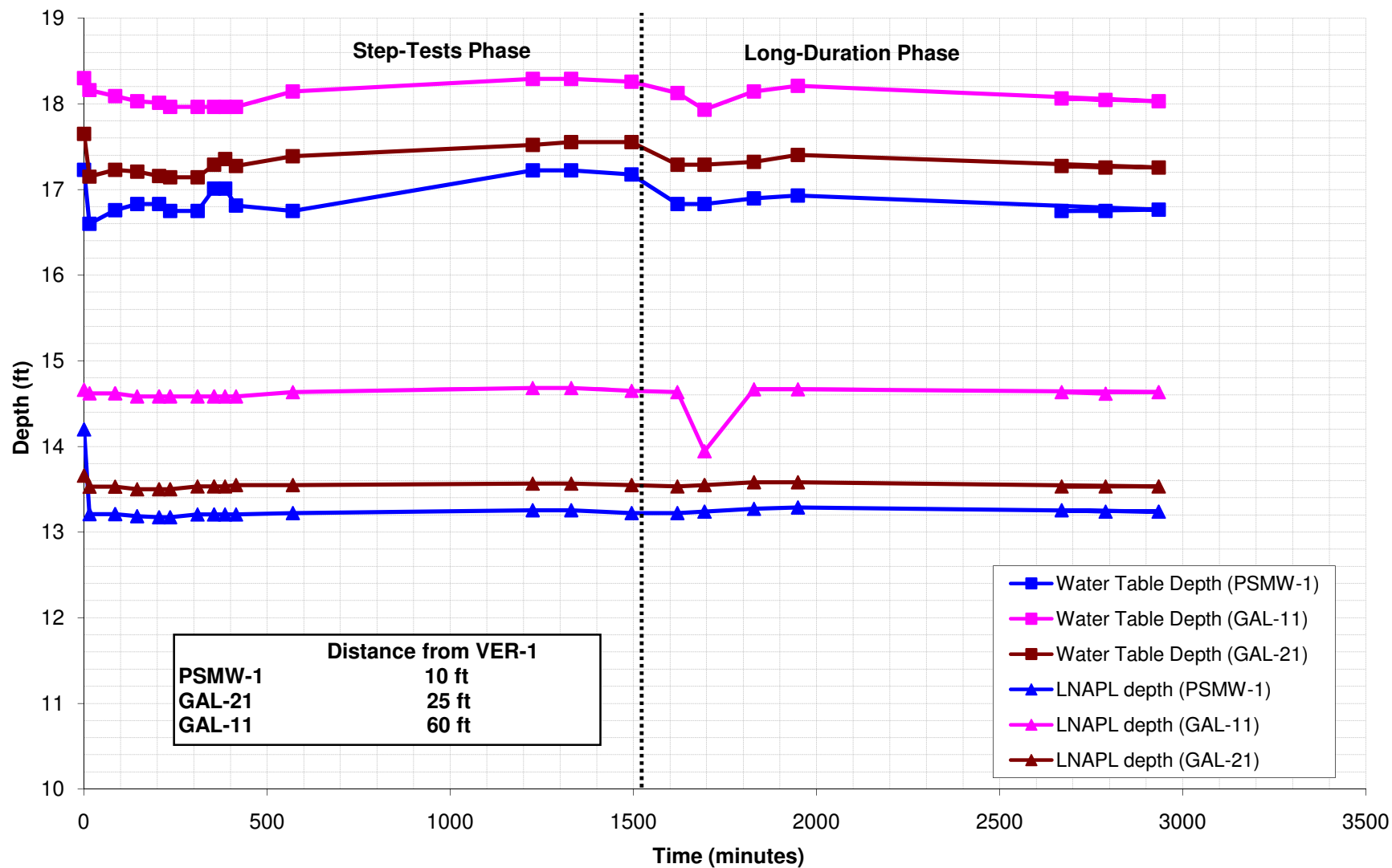
**Figure 1A**  
**Test A - LNAPL Recoverability Pilot Study**  
**Total Liquids Recovery vs Time**



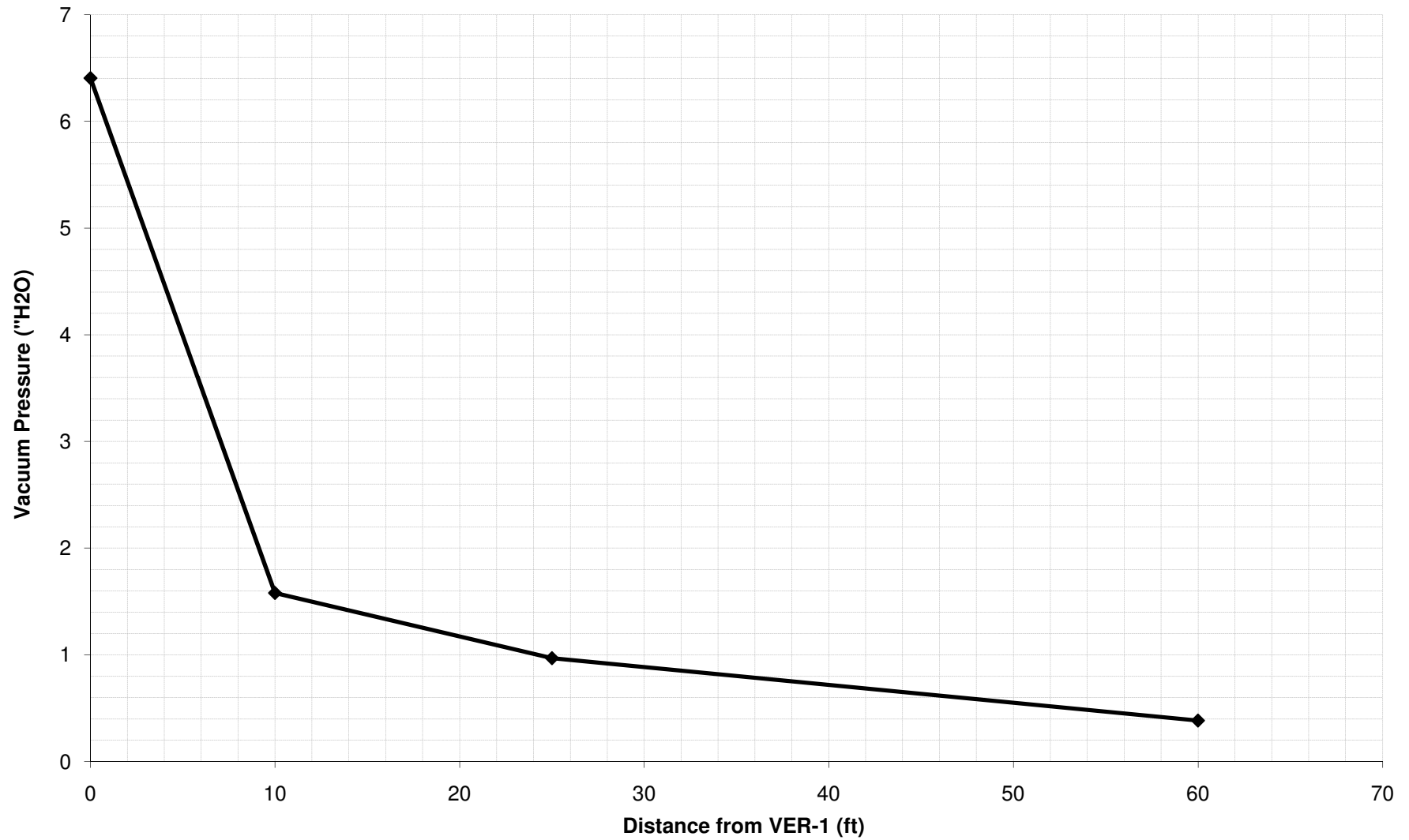
**Figure 2A**  
**Test A - LNAPL Recoverability Pilot Study**  
**Vacuum Pressures at Monitoring Wells vs Time**



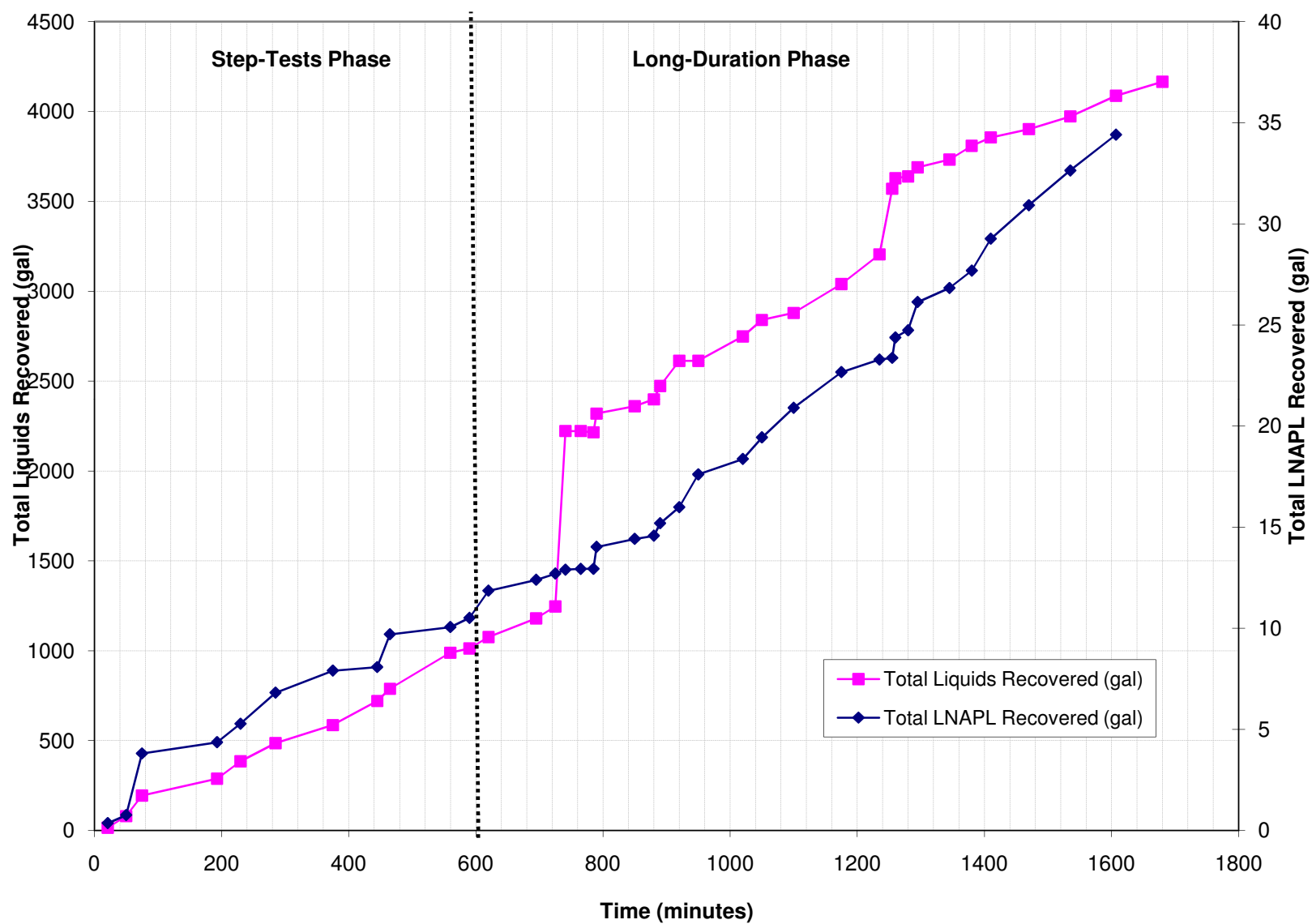
**Figure 3A**  
**Test A - LNAPL Recoverability Pilot Study**  
**Water Table and LNAPL Depths vs Time**



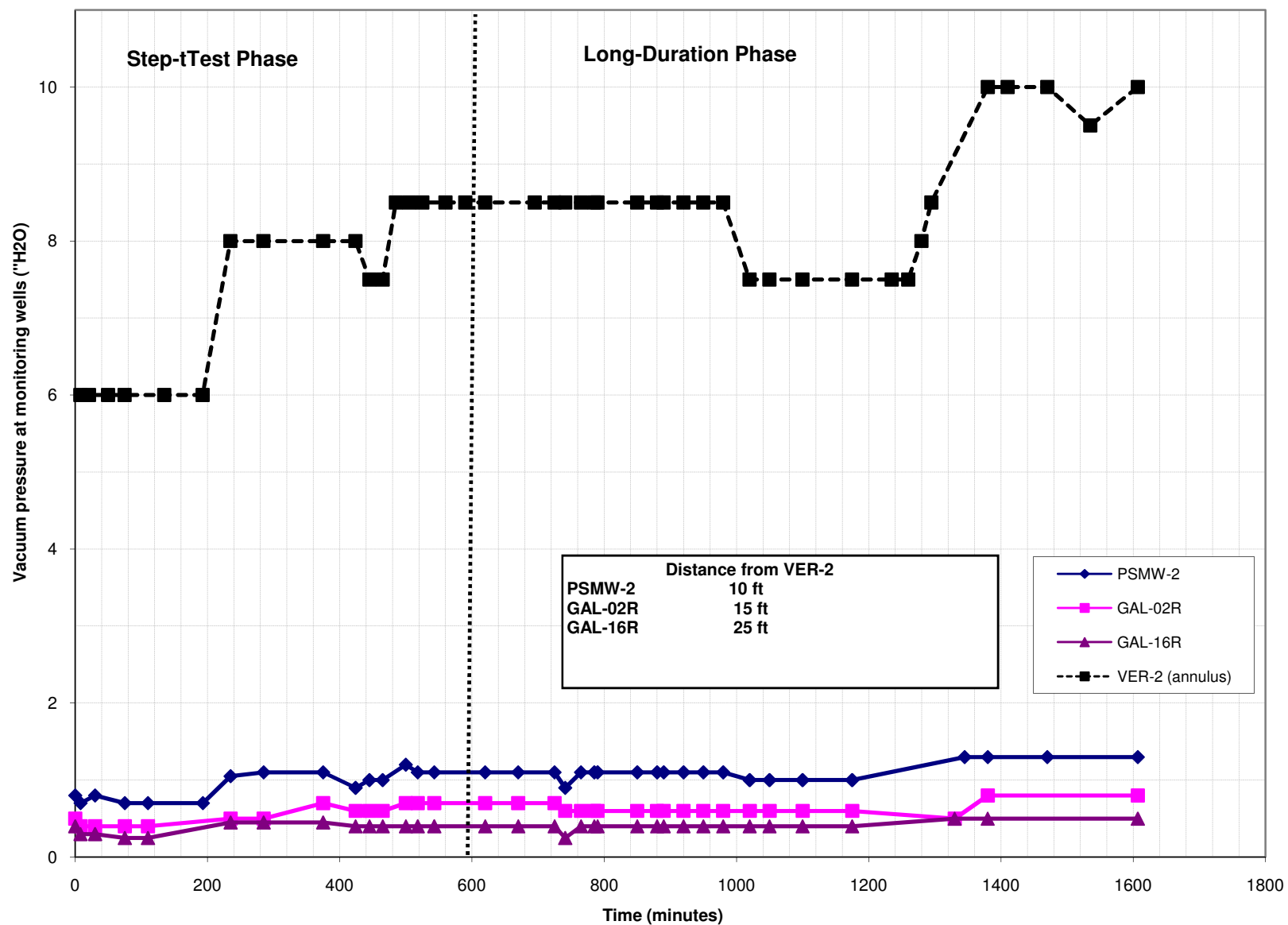
**Figure 4A**  
**Test A - LNAPL Recoverability Pilot Study**  
**Vacuum Pressure vs Distance from VER-1**



**Figure 1B**  
**Test B - LNAPL Recoverability Pilot Study**  
**Total Liquids Recovery vs Time**

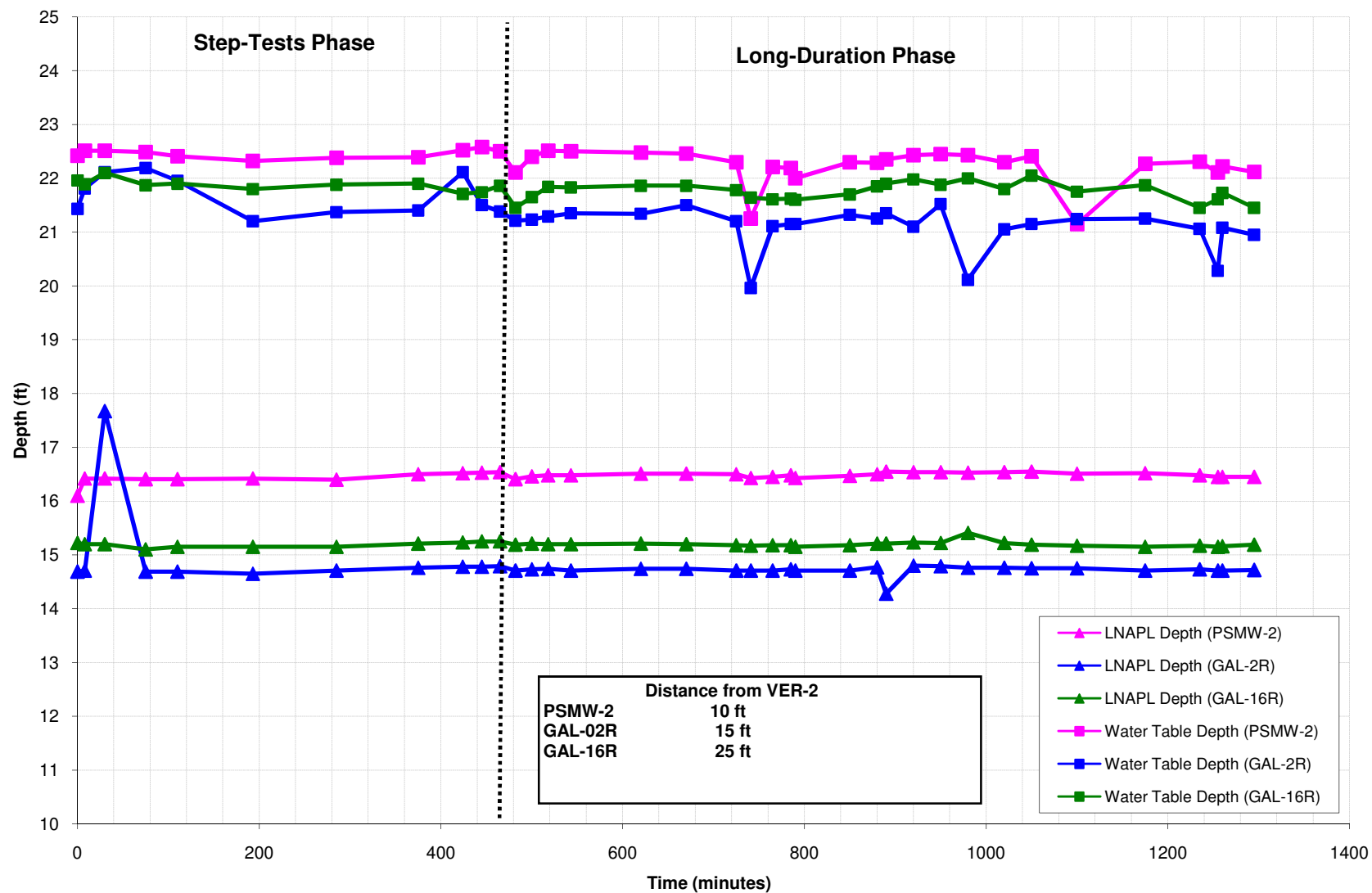


**Figure 2B**  
**Test B - LNAPL Recoverability Pilot Study**  
**Vacuum Pressure at Monitoring Wells vs Time**

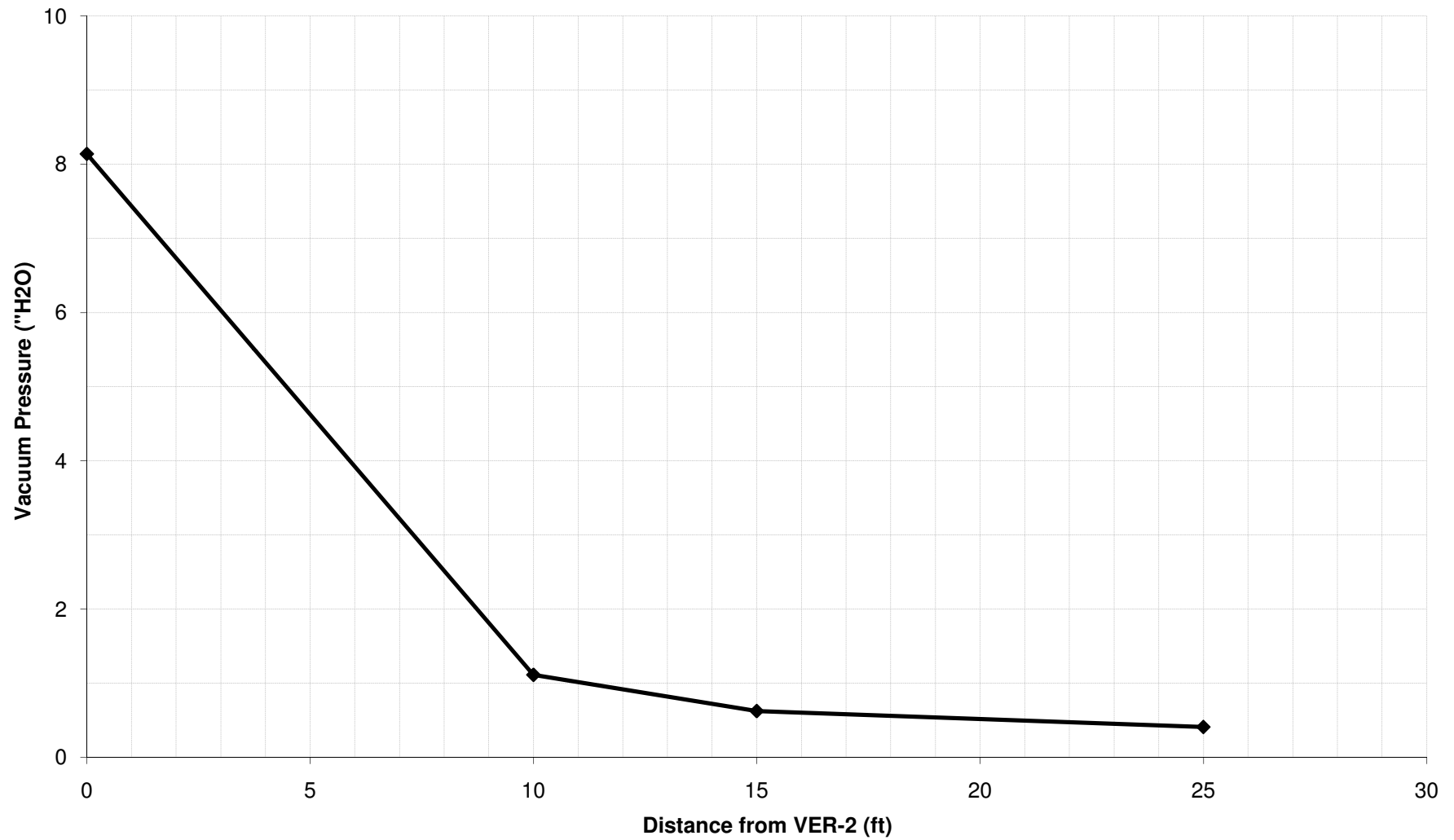




**Figure 3B**  
**Test B - LNAPL Recoverability Pilot Study**  
**Water Table and LNAPL depths vs Time**

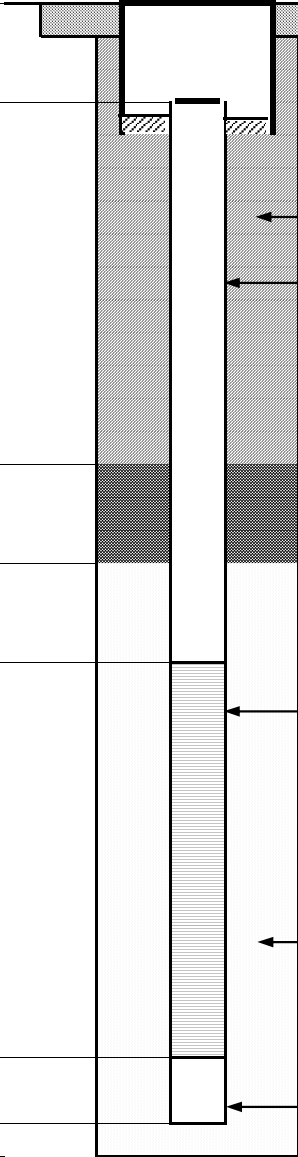


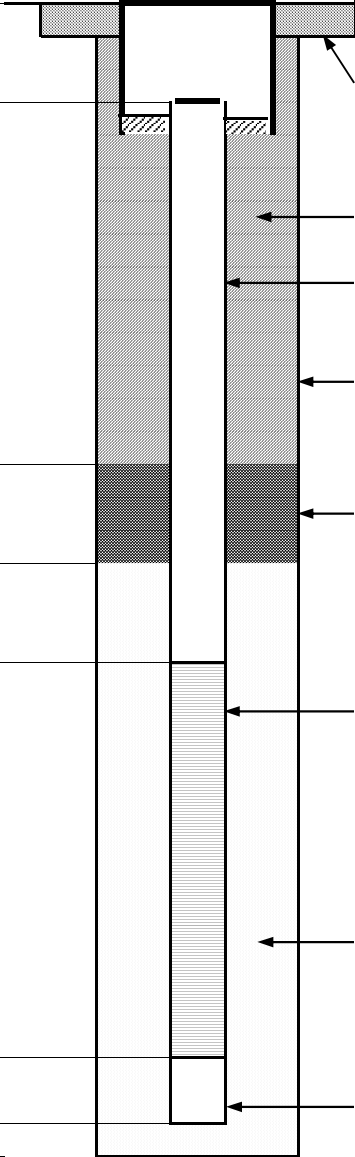
**Figure 4B**  
**Test B - LNAPL Recoverability Pilot Study**  
**Vacuum Pressure vs Distance from VER-2**



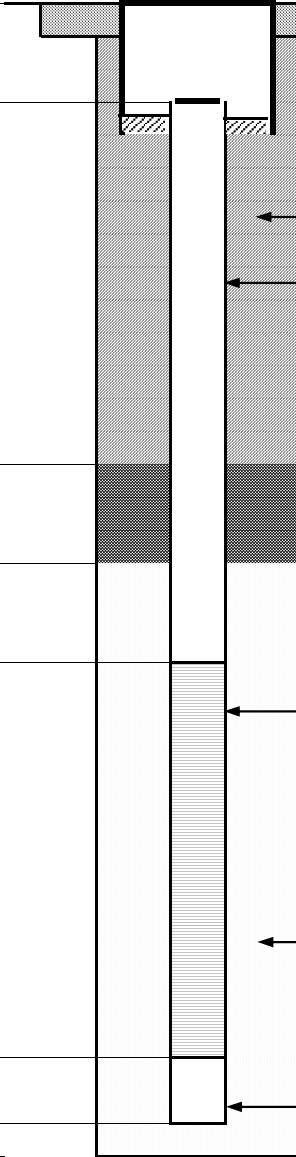
## **WASTE DISPOSAL DOCUMENTATION**

## **RECOVERY WELL CONSTRUCTION LOGS**

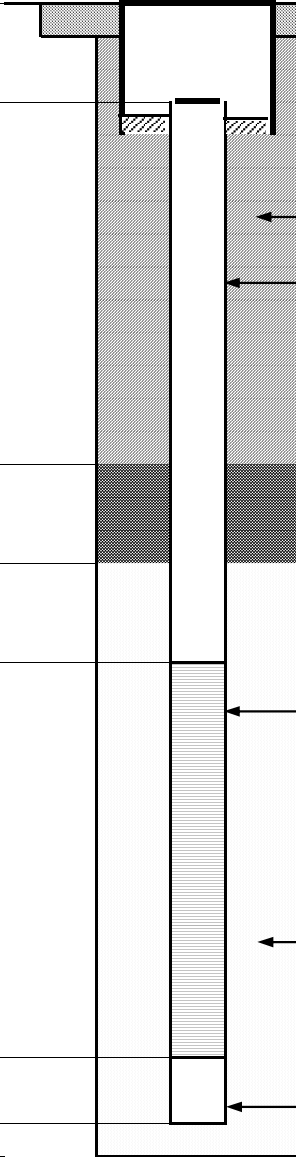
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-1A			
Project No: 3480140433		Date: 12/10/2014		Subcontractor: ADT	
Client: de maximis, inc.		Date: 12/10/2014		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type:	Top Of Riser
Bucking Posts: N/A				Elevation (ft):	26.25
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.29	27.54			
Riser Pipe	0	26.25	Flushmount Diameter: 30" x 30" Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	12.95	13.30	Type of Seal: Bentonite		
Top of Filter Pack	13.95	12.30			
Top of Screen	15.95	10.30	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	30.95	-4.70			
End Cap	31.95	-5.70	Sump: 1'		
Total Depth	31.95	-5.70			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-1B			
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/15/2014		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type:	Top Of Riser
Bucking Posts: N/A				Elevation (ft):	26.15
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.13	27.28			
Riser Pipe	0	26.15	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	13.40	12.75	Type of Seal: Bentonite		
Top of Filter Pack	14.40	11.75			
Top of Screen	16.40	9.75	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	31.40	-5.25			
End Cap	32.40	-6.25	Sump: 1'		
Total Depth	32.40	-6.25			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-1C			
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/12/2014		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type:	Top Of Riser
Bucking Posts: N/A				Elevation (ft):	24.52
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.85	25.37	<div>Flushmount Diameter: 2' x 2' Square</div>		
Riser Pipe	0	24.52	<div>Surface Seal Type: Asphalt</div>		
			<div>Backfill/Grout Type: Cement</div>		
			<div>Riser Pipe Type: Sch 40 PVC</div>		
			<div>Riser Pipe Diameter: 4 inches</div>		
			<div>Borehole Diameter: 8.5 inches</div>		
Top of Seal	12.65	11.87	<div>Type of Seal: Bentonite</div>		
Top of Filter Pack	13.65	10.87			
Top of Screen	15.65	8.87	<div>Screen Type: 4" Ø PVC</div>		
			<div>Screen Slot Size: 0.020"</div>		
			<div>Screen Length: 15 feet</div>		
			<div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div>		
Base of Screen	30.65	-6.13			
End Cap	31.65	-7.13	<div>Sump: 1'</div>		
Total Depth	31.65	-7.13			
Notes:					

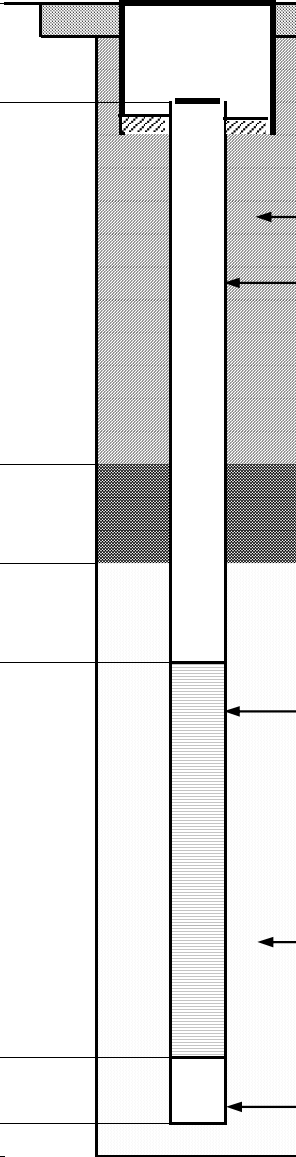
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-1D		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 23.34</div>	
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/15/2014			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	24.34			
Riser Pipe	0	23.34			
Top of Seal	11.59	11.75			
Top of Filter Pack	12.59	10.75			
Top of Screen	14.59	8.75			
Base of Screen	29.59	-6.25			
End Cap	30.59	-7.25			
Total Depth	30.59	-7.25			
Notes:					

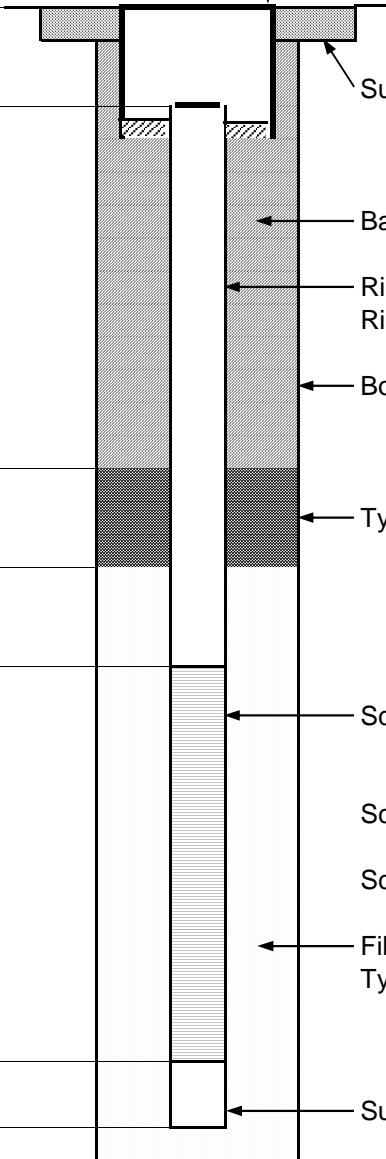


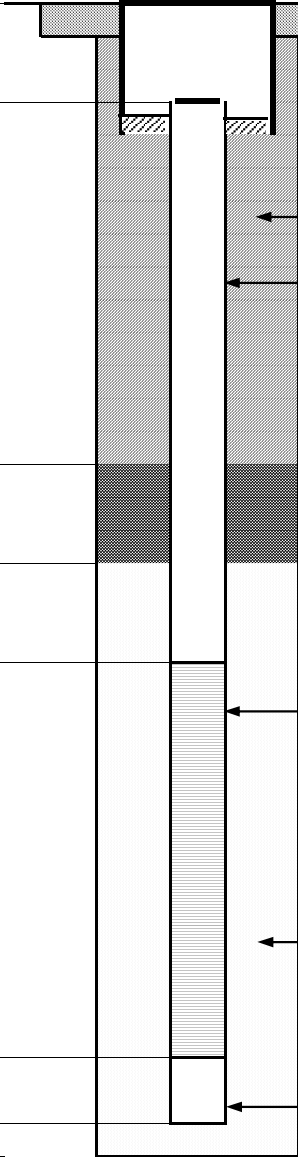
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-1E		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 21.31</div>	
Project No: 3480140433		Date: 12/16/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.27	22.58			
Riser Pipe	0	21.31			
Top of Seal	9.40	11.91	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	9.40	11.91			
			Type of Seal: Bentonite		
Top of Filter Pack	10.40	10.91			
Top of Screen	12.40	8.91			
			Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	27.40	-6.09			
End Cap	28.40	-7.09	Sump: 1'		
Total Depth	28.40	-7.09			
Notes:					

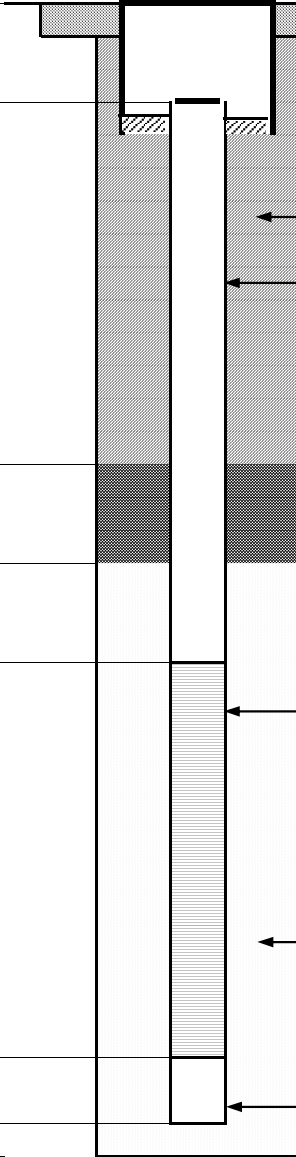
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-2A		Subcontractor: ADT  Measuring Point Type: Top Of Riser Elevation (ft): 25.43	
Project No: 3480140433		Date: 12/11/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger				Measuring Point Type: Top Of Riser Elevation (ft): 25.43	
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.48	26.91			
Riser Pipe	0	25.43			
Top of Seal	12.50	12.93			
Top of Filter Pack	13.50	11.93			
Top of Screen	15.50	9.93			
		</			

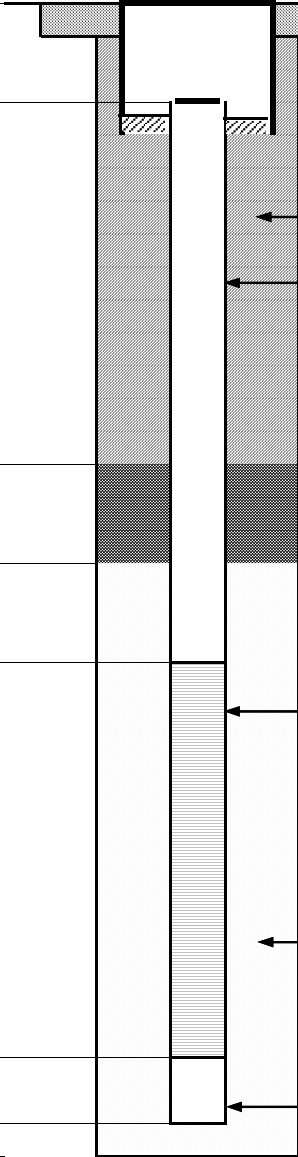
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-2B		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 23.64</div>	
Project No: 3480140433		Date: 12/10/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-2.04	25.68	<div>Flushmount Diameter: 2' x 2' Square</div>		
Riser Pipe	0	23.64	<div>Surface Seal Type: Asphalt</div>		
			<div>Backfill/Grout Type: Cement</div>		
			<div>Riser Pipe Type: Sch 40 PVC</div>		
			<div>Riser Pipe Diameter: 4 inches</div>		
			<div>Borehole Diameter: 8.5 inches</div>		
Top of Seal	11.85	11.79	<div>Type of Seal: Bentonite</div>		
Top of Filter Pack	12.85	10.79			
Top of Screen	14.85	8.79	<div>Screen Type: 4" Ø PVC</div>		
			<div>Screen Slot Size: 0.020"</div>		
			<div>Screen Length: 15 feet</div>		
			<div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div>		
Base of Screen	29.85	-6.21			
End Cap	30.85	-7.21	<div>Sump: 1'</div>		
Total Depth	30.85	-7.21			
<div>Notes:</div>					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-2C			
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/16/2014		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type:	Top Of Riser
Bucking Posts: N/A				Elevation (ft):	23.42
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-2.26	25.68			
Riser Pipe	0	23.42	Flushmount Diameter: 2' x 2' Square Surface Seal Type: Asphalt Backfill/Grout Type: Cement Riser Pipe Type: Sch 40 PVC Riser Pipe Diameter: 4 inches Borehole Diameter: 8.5 inches		
Top of Seal	8.00	15.42	Type of Seal: Bentonite		
Top of Filter Pack	9.00	14.42			
Top of Screen	11.00	12.42	Screen Type: 4" Ø PVC Screen Slot Size: 0.020" Screen Length: 15 feet Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	26.00	-2.58			
End Cap	27.00	-3.58	Sump: 1'		
Total Depth	27.00	-3.58			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-2D			
Project No: 3480140433		Date: 12/17/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger		Measuring Point			
Development Method: Surging		Type: Top Of Riser			
Bucking Posts: N/A		Elevation (ft): 25.31			
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.88	26.19			
Riser Pipe	0	25.31	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	14.00	11.31	Type of Seal: Bentonite		
Top of Filter Pack	15.00	10.31			
Top of Screen	17.00	8.31	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	32.00	-6.69			
End Cap	33.00	-7.69	Sump: 1'		
Total Depth	33.00	-7.69			
Notes:					

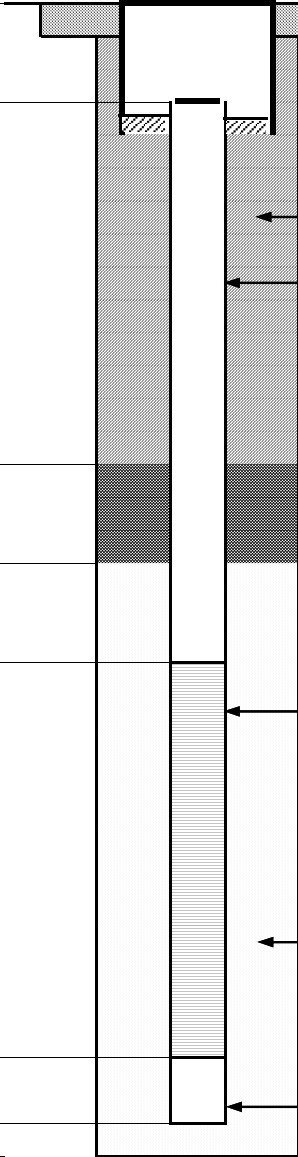
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-2E		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 24.88	
Project No: 3480140433		Date: 12/17/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.02	25.90			
Riser Pipe	0	24.88	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	12.85	12.03	Type of Seal: Bentonite		
Top of Filter Pack	13.85	11.03			
Top of Screen	15.85	9.03	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	30.85	-5.97			
End Cap	31.85	-6.97	Sump: 1'		
Total Depth	31.85	-6.97			
Notes:					

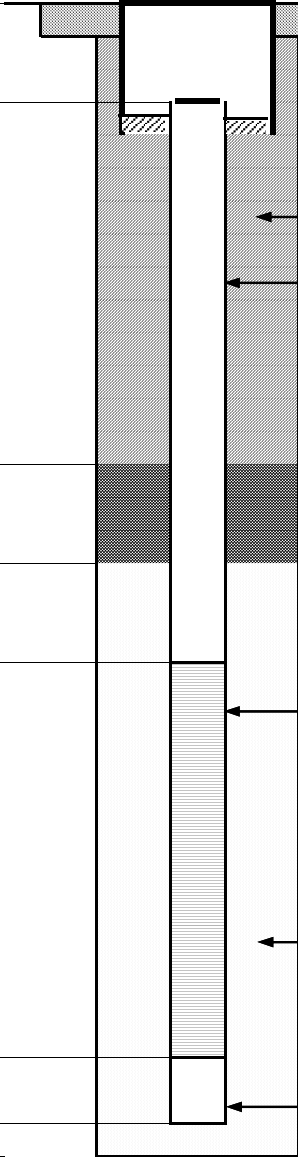
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-3A		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 25.46</div>	
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/11/2014			
Subcontractor: ADT					
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.40	26.86			
Riser Pipe	0	25.46			
Top of Seal	4.25	21.21			
Top of Filter Pack	5.25	20.21			
Top of Screen	7.25	18.21			

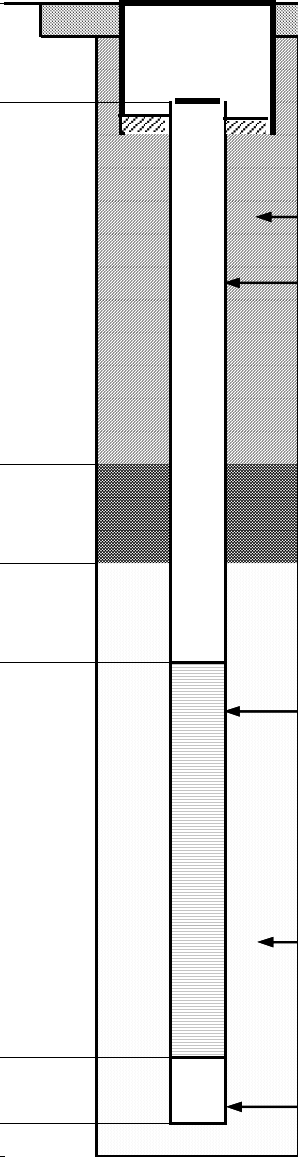
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-3B		<b>Measuring Point</b> <b>Type:</b> Top Of Riser <b>Elevation (ft):</b> 25.92	
Project No: 3480140433		Date: 12/18/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.29	27.21	 <div>Flushmount Diameter: 2' x 2' Square</div> <div>Surface Seal Type: Asphalt</div> <div>Backfill/Grout Type: Cement</div> <div>Riser Pipe Type: Sch 40 PVC</div> <div>Riser Pipe Diameter: 4 inches</div> <div>Borehole Diameter: 8.5 inches</div> <div>Type of Seal: Bentonite</div> <div>Screen Type: 4" Ø PVC</div> <div>Screen Slot Size: 0.020"</div> <div>Screen Length: 15 feet</div> <div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div> <div>Sump: 1'</div>		
Riser Pipe	0	25.92			
Top of Seal	13.50	12.42			
Top of Filter Pack	14.50	11.42			
Top of Screen	16.50	9.42			
Base of Screen	31.50	-5.58			
End Cap	32.50	-6.58			
Total Depth	32.50	-6.58			
Notes:					



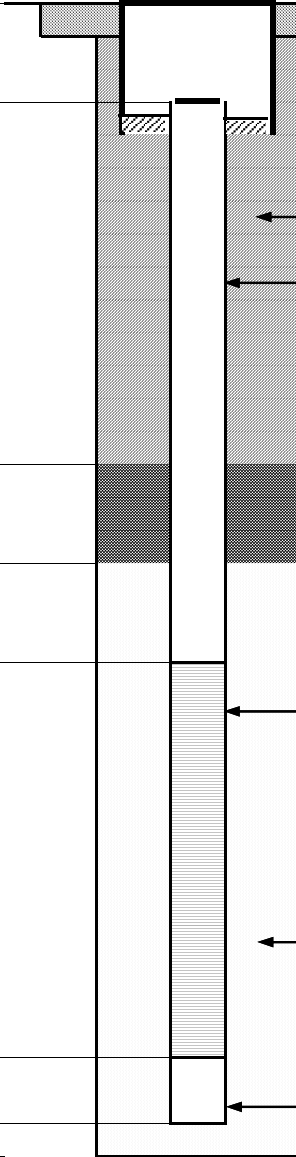
Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-3C		
Project No: 3480140433		Date: 12/10/2014		Subcontractor: ADT
Client: de maximis, inc.		Drilling Method: Hollow Stem Auger		Measuring Point
Development Method: Surging		Type: Top Of Riser		
Bucking Posts: N/A		Elevation (ft): 25.5		
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.44	26.94	Flushmount Diameter:	2' x 2' Square
Riser Pipe	0	25.5	Surface Seal Type:	Asphalt
			Backfill/Grout Type:	Cement
			Riser Pipe Type:	Sch 40 PVC
			Riser Pipe Diameter:	4 inches
			Borehole Diameter:	8.5 inches
Top of Seal	5.20	20.30	Type of Seal:	Bentonite
Top of Filter Pack	6.20	19.30		
Top of Screen	8.20	17.30	Screen Type:	4" Ø PVC
			Screen Slot Size:	0.020"
			Screen Length:	15 feet
			Filter/Sand Pack Type:	FilPro #00N Silica Sand
Base of Screen	23.20	2.30		
End Cap	24.20	1.30	Sump:	1'
Total Depth	24.20	1.30		
Notes:				

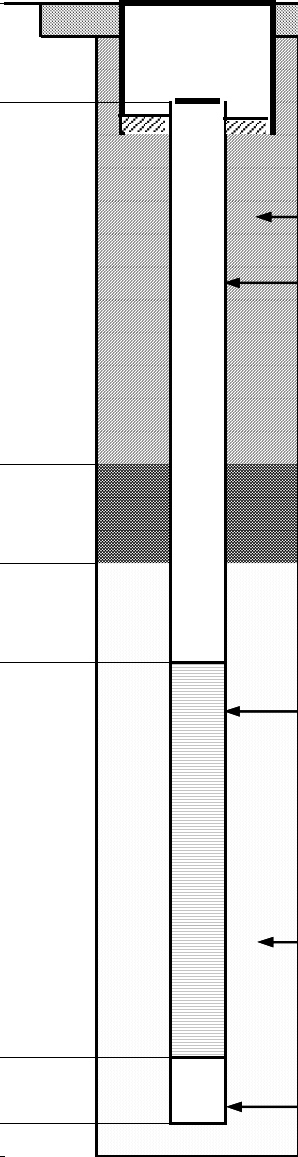
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-3D		Subcontractor: ADT	
Project No: 3480140433		Date: 12/8/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type: Top Of Riser	
Bucking Posts: N/A				Elevation (ft): 24.9	
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.72	26.62			
Riser Pipe	0	24.9			
Top of Seal	11.50	13.40			
Top of Filter Pack	12.50	12.40			
Top of Screen	14.50	10.40			
Base of Screen	29.50	-4.60			
End Cap	30.50	-5.60			
Total Depth	30.50	-5.60			
Notes:					

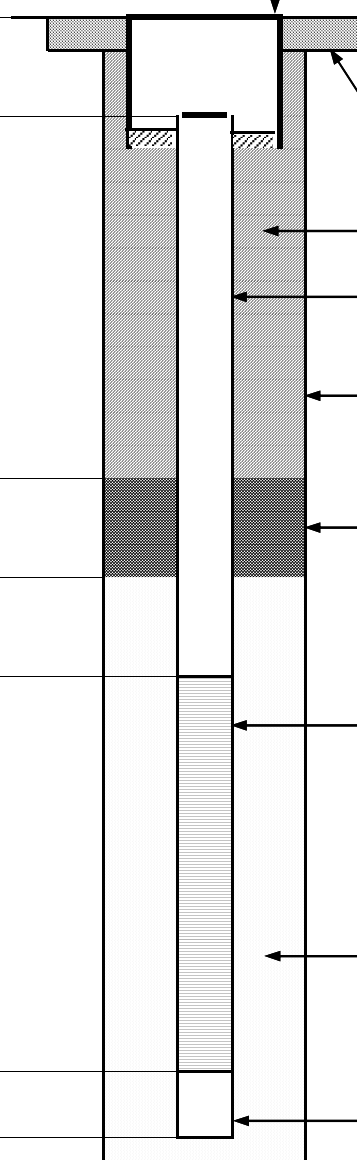
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-3E		<b>Measuring Point</b> <b>Type:</b> Top Of Riser <b>Elevation (ft):</b> 23.49	
Project No: 3480140433		Date: 12/8/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.99	24.48			
Riser Pipe	0	23.49			

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-4A		Subcontractor: ADT	
Project No: 3480140433		Date: 1/22/2015			
Client: de maximis, inc.		Drilling Method: Hollow Stem Auger			
Development Method: Surging		Bucking Posts: N/A		Measuring Point	
				Type: Top Of Riser	
				Elevation (ft): 16.55	
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	17.55			
Riser Pipe	0	16.55			
Top of Seal	6.40	10.15	Flushmount Diameter: 2' x 2' Square		
Top of Filter Pack	7.40	9.15	Surface Seal Type: Asphalt		
Top of Screen	9.40	7.15	Backfill/Grout Type: Cement		
Base of Screen	24.40	-7.85	Riser Pipe Type: Sch 40 PVC		
End Cap	25.40	-8.85	Riser Pipe Diameter: 4 inches		
Total Depth	25.40	-8.85	Borehole Diameter: 8.5 inches		
			Type of Seal: Bentonite		
			Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
			Sump: 1'		
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-4B		Subcontractor: ADT  Measuring Point Type: Top Of Riser Elevation (ft): 16.14	
Project No: 3480140433		Date: 1/29/2015			
Client: de maximis, inc.		Drilling Method: Hollow Stem Auger			
Development Method: Surging		Bucking Posts: N/A		<div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><d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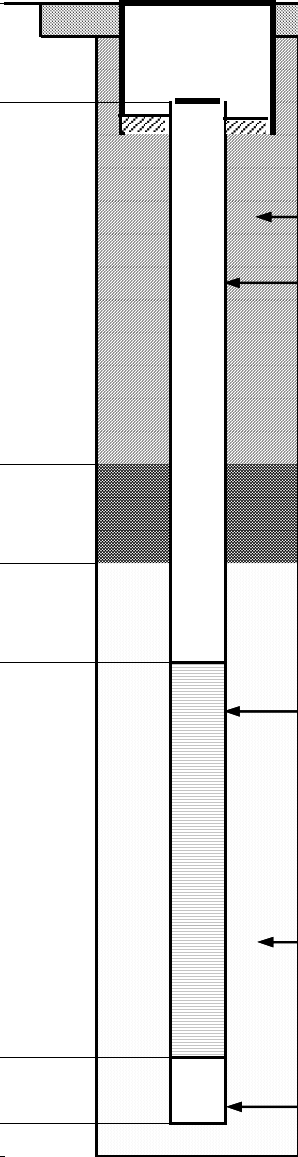
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-4C		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 14.24	
Project No: 3480140433		Date: 1/19/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.48	15.72			
Riser Pipe	0	14.24			
Top of Seal	4.20	10.04	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	4.20	10.04			
			Type of Seal: Bentonite		
Top of Filter Pack	5.20	9.04			
Top of Screen	6.20	8.04			
			Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	21.20	-6.96			
End Cap	22.20	-7.96	Sump: 1'		
Total Depth	22.20	-7.96			
Notes:					

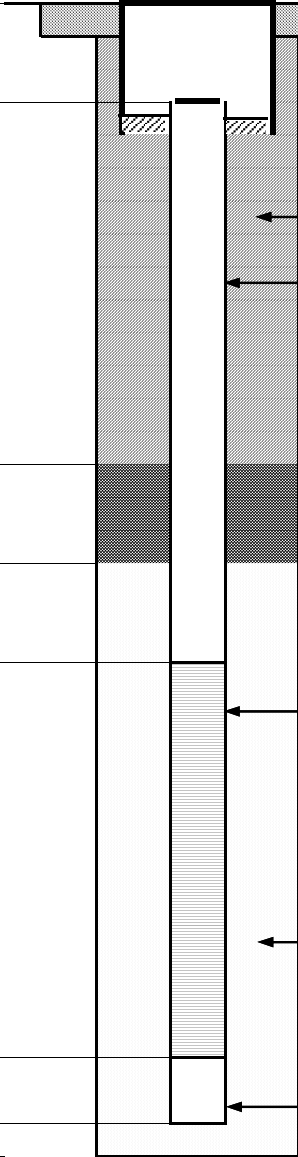
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL		
Project: Review Avenue Development Sites		Well ID: S-4D		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 14.21		
Project No: 3480140433		Date: 1/19/2015				
Client: de maximis, inc.		Subcontractor: ADT				
Drilling Method: Hollow Stem Auger						
Development Method: Surging						
Bucking Posts: N/A						
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description			
Top of Vault	-1.46	15.67				
Riser Pipe	0	14.21				Flushmount Diameter: 2' x 2' Square
						Surface Seal Type: Asphalt
						Backfill/Grout Type: Cement
						Riser Pipe Type: Sch 40 PVC
						Riser Pipe Diameter: 4 inches
						Borehole Diameter: 8.5 inches
Top of Seal	3.80	10.41				Type of Seal: Bentonite
Top of Filter Pack	4.80	9.41				
Top of Screen	5.80	8.41				Screen Type: 4" Ø PVC
						Screen Slot Size: 0.020"
			Screen Length: 15 feet			
			Filter/Sand Pack Type: FilPro #00N Silica Sand			
Base of Screen	20.80	-6.59				
End Cap	21.80	-7.59	Sump: 1'			
Total Depth	21.80	-7.59				
Notes:						

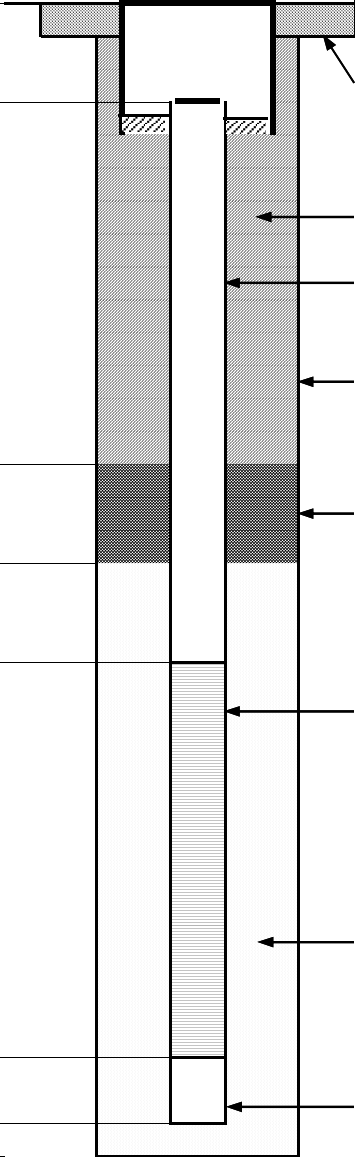
Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-4E		
Project No: 3480140433				
Client: de maximis, inc.		Date: 1/19/2015		Subcontractor: ADT
Drilling Method: Hollow Stem Auger		Measuring Point		
Development Method: Surging		Type: Top Of Riser		
Bucking Posts: N/A		Elevation (ft): 13.7		
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.68	15.38		
Riser Pipe	0	13.7	Flushmount Diameter: 2' x 2' Square Surface Seal Type: Asphalt Backfill/Grout Type: Cement Riser Pipe Type: Sch 40 PVC Riser Pipe Diameter: 4 inches Borehole Diameter: 8.5 inches	
Top of Seal	4.40	9.30	Type of Seal: Bentonite	
Top of Filter Pack	5.40	8.30		
Top of Screen	6.40	7.30	Screen Type: 4" Ø PVC Screen Slot Size: 0.020" Screen Length: 15 feet Filter/Sand Pack Type: FilPro #00N Silica Sand	
Base of Screen	21.40	-7.70		
End Cap	22.40	-8.70	Sump: 1'	
Total Depth	22.40	-8.70		

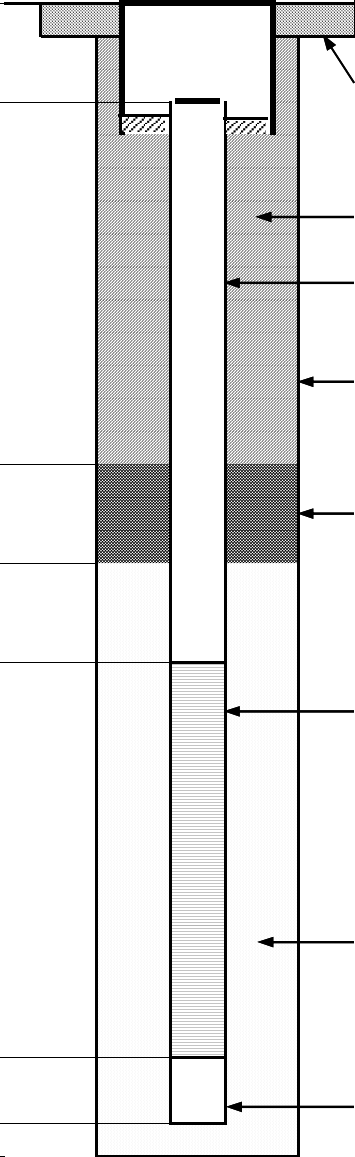
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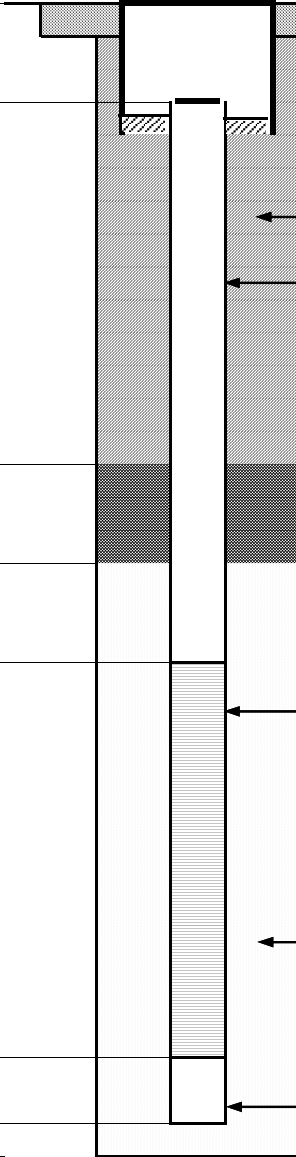



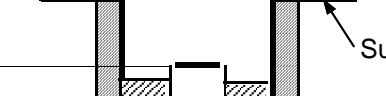
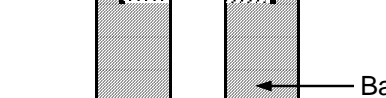
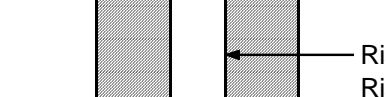
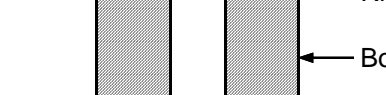
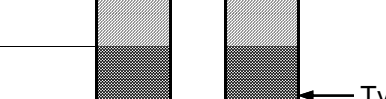
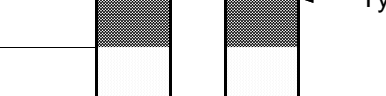
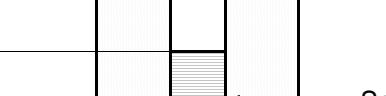
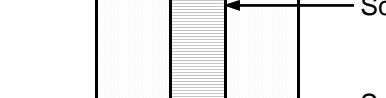
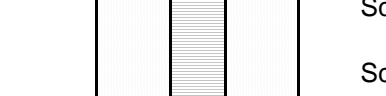
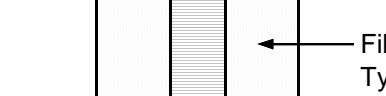
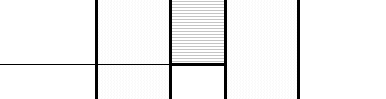
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-5A		<div>Subcontractor: ADT</div> <div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 23.4</div>	
Project No: 3480140433		Date: 1/16/2015			
Client: de maximis, inc.		Drilling Method: Hollow Stem Auger			
Development Method: Surging		Bucking Posts: N/A			
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.93	24.33			
Riser Pipe	0	23.4			
Top of Seal	12.90	10.50	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	12.90	10.50			
			Type of Seal: Bentonite		
Top of Filter Pack	13.90	9.50			
Top of Screen	15.90	7.50	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	30.90	-7.50			
End Cap	31.90	-8.50	Sump: 1'		
Total Depth	31.90	-8.50			
Notes:					

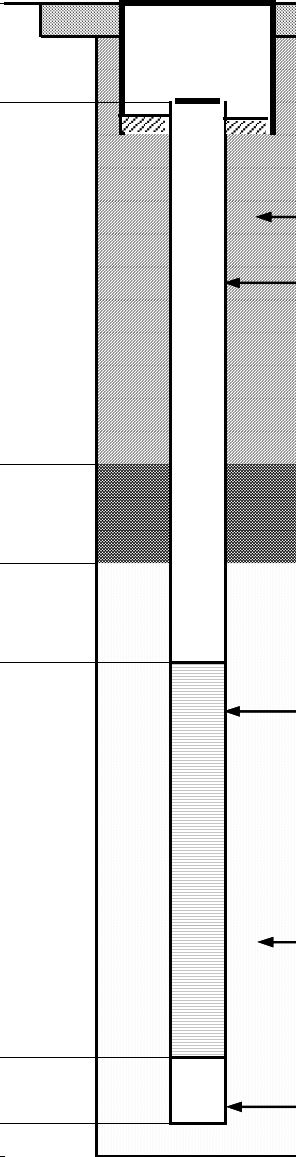
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-5B		<b>Measuring Point</b>  Type: Top Of Riser Elevation (ft): 21.5	
Project No: 3480140433		Date: 1/15/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.02	22.52			
Riser Pipe	0	21.5	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	11.95	9.55	Type of Seal: Bentonite		
Top of Filter Pack	12.95	8.55			
Top of Screen	14.95	6.55	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	29.95	-8.45			
End Cap	30.95	-9.45	Sump: 1'		
Total Depth	30.95	-9.45			
Notes:					

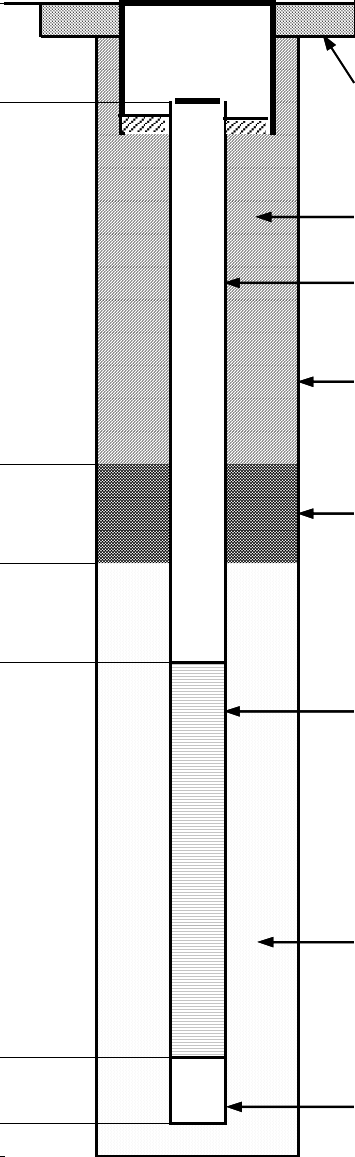
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-5C		<b>Measuring Point</b> <b>Type:</b> Top Of Riser <b>Elevation (ft):</b> 19.96	
Project No: 3480140433		Date: 1/16/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	20.96			
Riser Pipe	0	19.96	Flushmount Diameter: 30" x 30" Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	9.81	10.15	Type of Seal: Bentonite		
Top of Filter Pack	10.81	9.15			
Top of Screen	12.81	7.15	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	27.81	-7.85			
End Cap	28.81	-8.85	Sump: 1'		
Total Depth	28.81	-8.85			
<b>Notes:</b>					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-5D		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 17.76	
Project No: 3480140433		Date: 12/29/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.99	18.76			
Riser Pipe	0	17.76			
Top of Seal	7.40	10.36	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	7.40	10.36			
			Type of Seal: Bentonite		
Top of Filter Pack	8.40	9.36			
Top of Screen	10.40	7.36			
			Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	25.40	-7.64			
End Cap	26.40	-8.64	Sump: 1'		
Total Depth	26.40	-8.64			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-5E		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 17.23	
Project No: 3480140433		Date: 12/29/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	18.23			
Riser Pipe	0	17.23			
Top of Seal	6.08	11.15	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	6.08	11.15	Type of Seal: Bentonite		
Top of Filter Pack	7.08	10.15	Screen Type: 4" Ø PVC		
Top of Screen	9.08	8.15	Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	24.08	-6.85	Sump: 1'		
End Cap	25.08	-7.85			
Total Depth	25.08	-7.85			
Notes:					

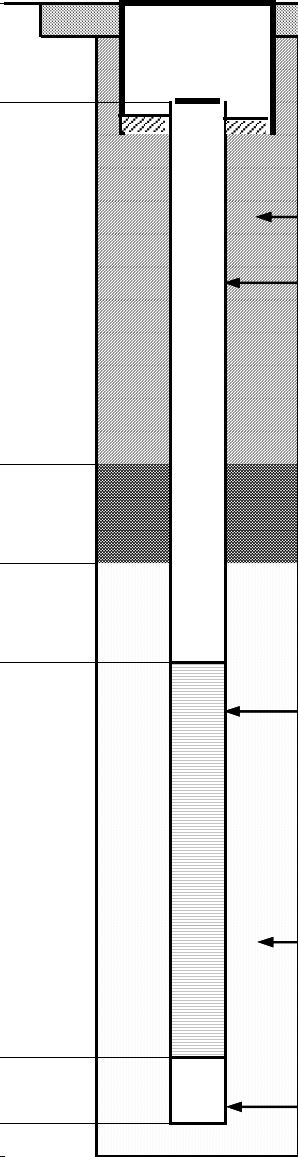
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-6A		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 23.01	
Project No: 3480140433		Date: 12/23/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.09	24.10	 Flushmount Diameter: 30" x 30" Square		
Riser Pipe	0	23.01	 Surface Seal Type: Asphalt		
			 Backfill/Grout Type: Cement		
			 Riser Pipe Type: Sch 40 PVC Riser Pipe Diameter: 4 inches		
			 Borehole Diameter: 8.5 inches		
Top of Seal	11.50	11.51	 Type of Seal: Bentonite		
Top of Filter Pack	12.50	10.51			
Top of Screen	14.50	8.51	 Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			 Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	29.50	-6.49			
End Cap	30.50	-7.49	 Sump: 1'		
Total Depth	30.50	-7.49			
<b>Notes:</b>					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-6B		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 21.21	
Project No: 3480140433		Date: 1/15/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	22.21			
Riser Pipe	0	21.21			
Top of Seal	11.74	9.47	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	11.74	9.47	Type of Seal: Bentonite		
Top of Filter Pack	12.74	8.47			
Top of Screen	14.74	6.47	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	29.74	-8.53			
End Cap	30.74	-9.53	Sump: 1'		
Total Depth	30.74	-9.53			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-6C		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 19.42	
Project No: 3480140433		Date: 12/30/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.09	20.51			
Riser Pipe	0	19.42			
Top of Seal	9.00	10.42	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	9.00	10.42			
			Type of Seal: Bentonite		
Top of Filter Pack	10.00	9.42			
Top of Screen	12.00	7.42			
			Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	27.00	-7.58			
End Cap	28.00	-8.58	Sump: 1'		
Total Depth	28.00	-8.58			
Notes:					

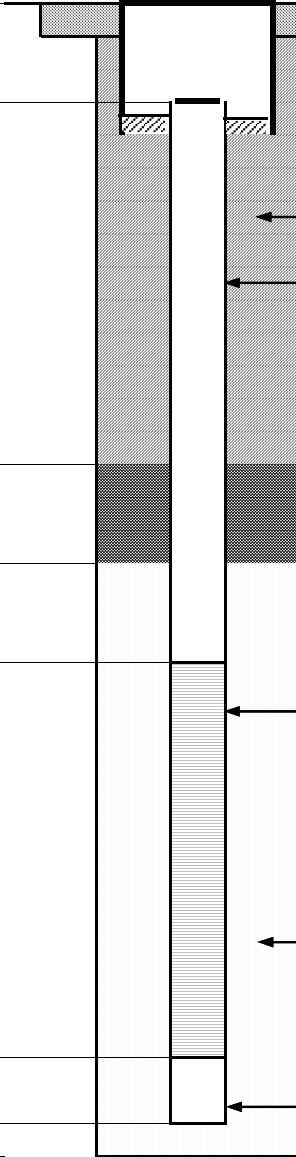


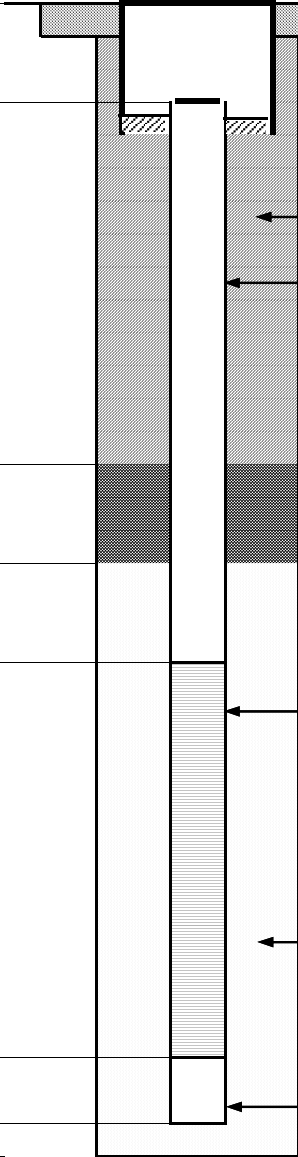
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-6D		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 17.33	
Project No: 3480140433		Date: 1/2/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	18.33			
Riser Pipe	0	17.33			
Top of Seal	6.26	11.07	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	6.26	11.07			
			Type of Seal: Bentonite		
Top of Filter Pack	7.26	10.07			
Top of Screen	9.26	8.07			
			Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	24.26	-6.93			
End Cap	25.26	-7.93	Sump: 1'		
Total Depth	25.26	-7.93			
Notes:					

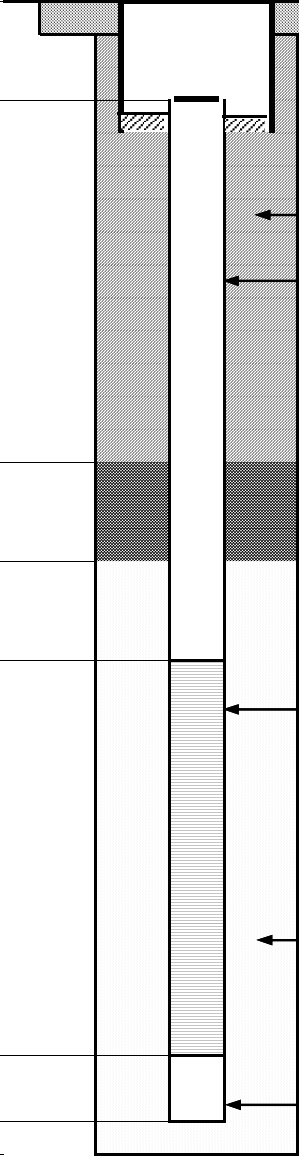
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-6E		Subcontractor: ADT  Measuring Point Type: Top Of Riser Elevation (ft): 17.23	
Project No: 3480140433		Date: 1/13/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	18.23			
Riser Pipe	0	17.23			

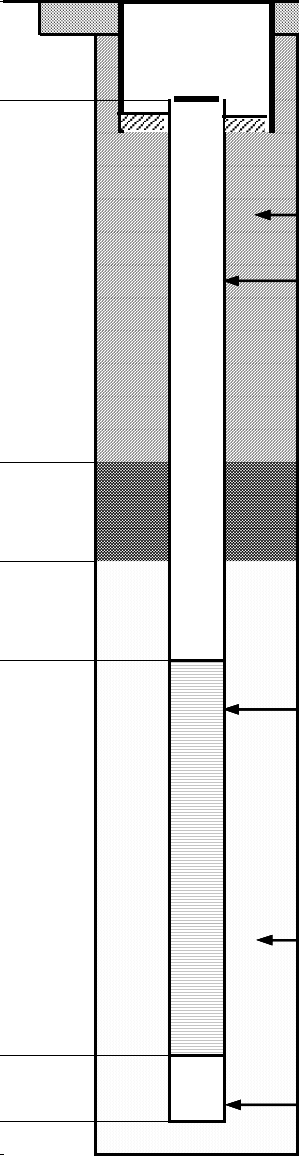
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-7A		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 20.65</div>	
Project No: 3480140433		Date: 1/2/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	21.65	<div>Flushmount Diameter: 2' x 2' Square</div>		
Riser Pipe	0	20.65	<div>Surface Seal Type: Asphalt</div>		
			<div>Backfill/Grout Type: Cement</div>		
			<div>Riser Pipe Type: Sch 40 PVC</div> <div>Riser Pipe Diameter: 4 inches</div>		
			<div>Borehole Diameter: 8.5 inches</div>		
Top of Seal	9.59	11.06	<div>Type of Seal: Bentonite</div>		
Top of Filter Pack	10.59	10.06			
Top of Screen	12.59	8.06	<div>Screen Type: 4" Ø PVC</div> <div>Screen Slot Size: 0.020"</div> <div>Screen Length: 15 feet</div>		
			<div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div>		
Base of Screen	27.59	-6.94			
End Cap	28.59	-7.94	<div>Sump: 1'</div>		
Total Depth	28.59	-7.94			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-7B		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 19.44</div>	
Project No: 3480140433		Date: 12/29/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	20.44			
Riser Pipe	0	19.44			
Top of Seal	7.64	11.80			
Top of Filter Pack	8.64	10.80			
Top of Screen	10.64	8.80			
Base of Screen	25.64	-6.20			
End Cap	26.64	-7.20			
Total Depth	26.64	-7.20			
Notes:					

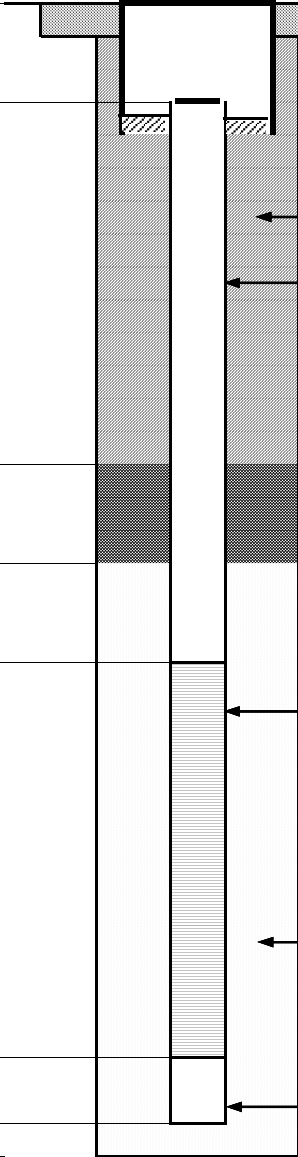
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-7C		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 17.24</div>	
Project No: 3480140433					
Client: de maximis, inc.		Date: 1/13/2015			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.86	18.10			
Riser Pipe	0	17.24			
Top of Seal	6.90	10.34			
Top of Filter Pack	7.90	9.34			
Top of Screen	9.90	7.34			
Base of Screen	24.90	-7.66			
End Cap	25.90	-8.66			
Total Depth	25.90	-8.66			
Notes:					

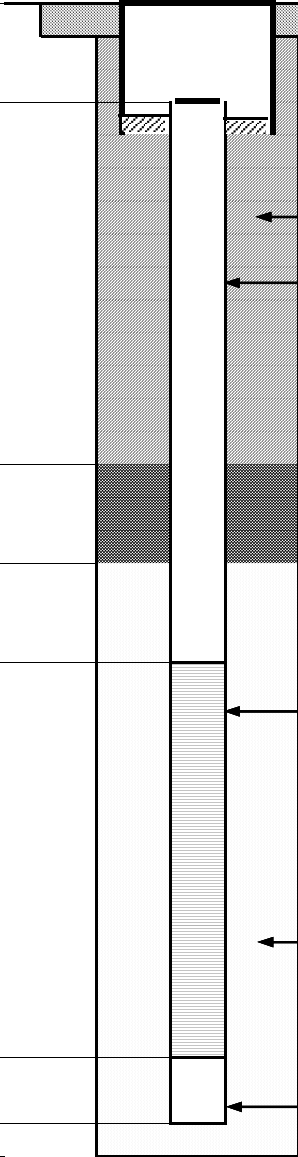
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-7D		Subcontractor: ADT	
Project No: 3480140433		Date: 1/14/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type: Top Of Riser	
Bucking Posts: N/A				Elevation (ft): 17.14	
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.95	18.09			
Riser Pipe	0	17.14			
Top of Seal	7.50	9.64	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	7.50	9.64	Type of Seal: Bentonite		
Top of Filter Pack	8.50	8.64			
Top of Screen	10.50	6.64	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	25.50	-8.36			
End Cap	26.50	-9.36	Sump: 1'		
Total Depth	26.50	-9.36			
Notes:					

Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-8A		
Project No: 3480140433		Date: 1/14/2015		Subcontractor: ADT
Client: de maximis, inc.		Measuring Point		
Drilling Method: Hollow Stem Auger		Type: Top Of Riser		
Development Method: Surging		Elevation (ft): 22.42		
Bucking Posts: N/A				
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.00	23.42		
Riser Pipe	0	22.4	Flushmount Diameter: 2' x 2' Square Surface Seal Type: Asphalt Backfill/Grout Type: Cement	
Top of Seal	11.09	11.32	Riser Pipe Type: Sch 40 PVC Riser Pipe Diameter: 4 inches Borehole Diameter: 8.5 inches	
Top of Filter Pack	12.09	10.32	Type of Seal: Bentonite	
Top of Screen	14.09	8.32	Screen Type: 4" Ø PVC Screen Slot Size: 0.020"	
Base of Screen	29.09	-6.68	Screen Length: 15 feet Filter/Sand Pack Type: FilPro #00N Silica Sand	
End Cap	30.09	-7.68	Sump: 1'	
Total Depth	30.09	-7.68		
<b>Notes:</b>				

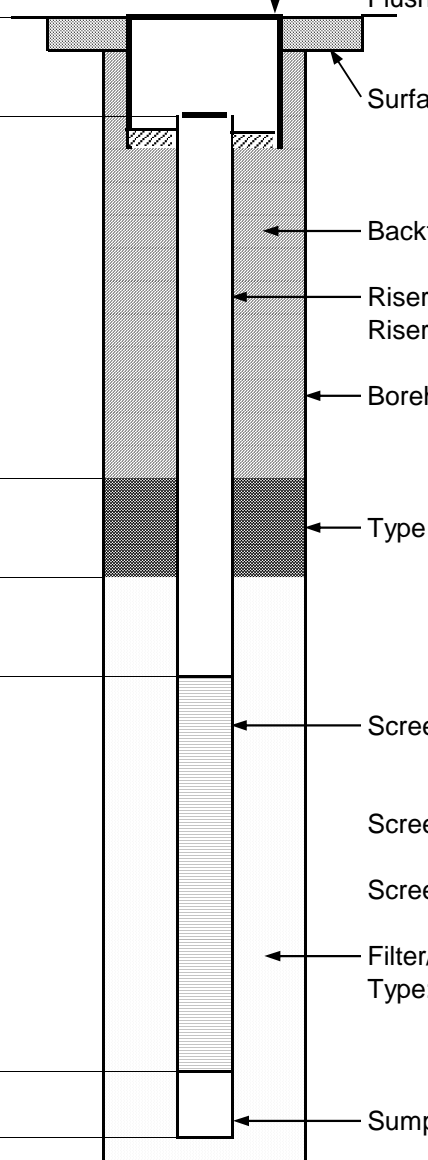
Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-8B		
Project No: 3480140433		Date: 12/30/2014		Subcontractor: ADT
Client: de maximis, inc.		Measuring Point		
Drilling Method: Hollow Stem Auger		Type: Top Of Riser		
Development Method: Surging		Elevation (ft): 17.99		
Bucking Posts: N/A				
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.00	18.99		
Riser Pipe	0	17.99	Flushmount Diameter: 2' x 2' Square Surface Seal Type: Asphalt Backfill/Grout Type: Cement Riser Pipe Type: Sch 40 PVC Riser Pipe Diameter: 4 inches Borehole Diameter: 8.5 inches	
Top of Seal	7.76	10.23	Type of Seal: Bentonite	
Top of Filter Pack	8.76	9.23		
Top of Screen	10.76	7.23	Screen Type: 4" Ø PVC Screen Slot Size: 0.020" Screen Length: 15 feet Filter/Sand Pack Type: FilPro #00N Silica Sand	
Base of Screen	25.76	-7.77		
End Cap	26.76	-8.77	Sump: 1'	
Total Depth	26.76	-8.77		
Notes:				

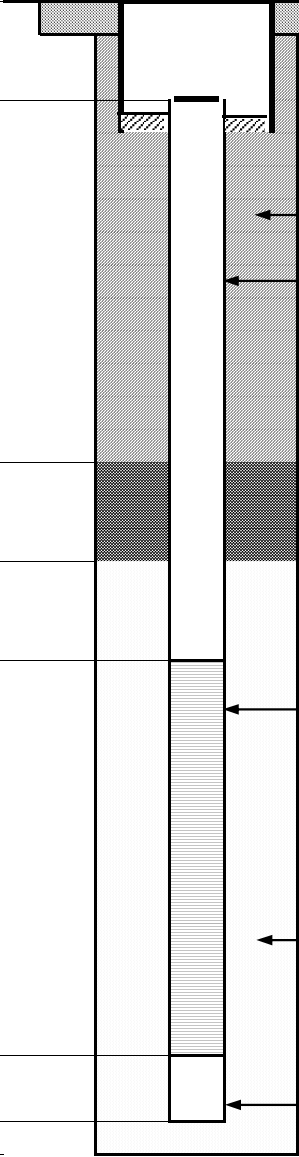


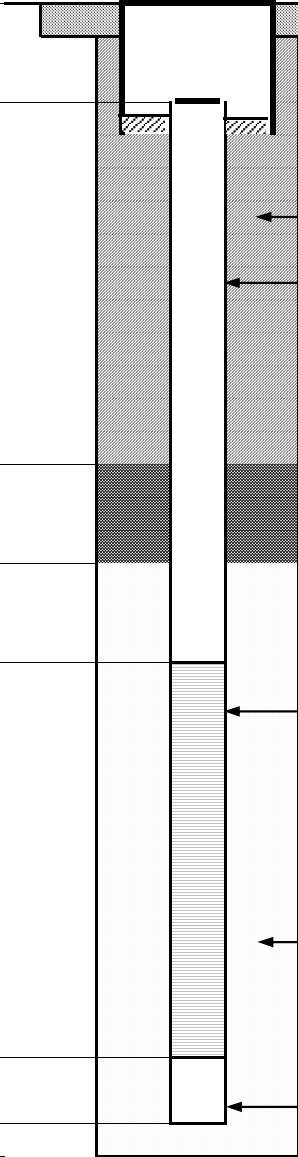
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-8C		Subcontractor: ADT	
Project No: 3480140433		Date: 1/2/2015			
Client: de maximis, inc.		Type: Top Of Riser			
Drilling Method: Hollow Stem Auger				Elevation (ft): 16.9	
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.18	18.08			
Riser Pipe	0	16.9	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	6.20	10.70	Type of Seal: Bentonite		
Top of Filter Pack	7.20	9.70			
Top of Screen	9.20	7.70	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	24.20	-7.30			
End Cap	25.20	-8.30	Sump: 1'		
Total Depth	25.20	-8.30			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: S-8D		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 17.12	
Project No: 3480140433		Date: 1/14/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	18.12			
Riser Pipe	0	17.12			
Top of Seal	-0.30	17.42	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	-0.30	17.42	Type of Seal: Bentonite		
Top of Filter Pack	0.70	16.42			
Top of Screen	2.70	14.42	Screen Type: 4" Ø PVC		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	17.70	-0.58			
End Cap	18.70	-1.58	Sump: 1'		
Total Depth	18.70	-1.58			
Notes:					

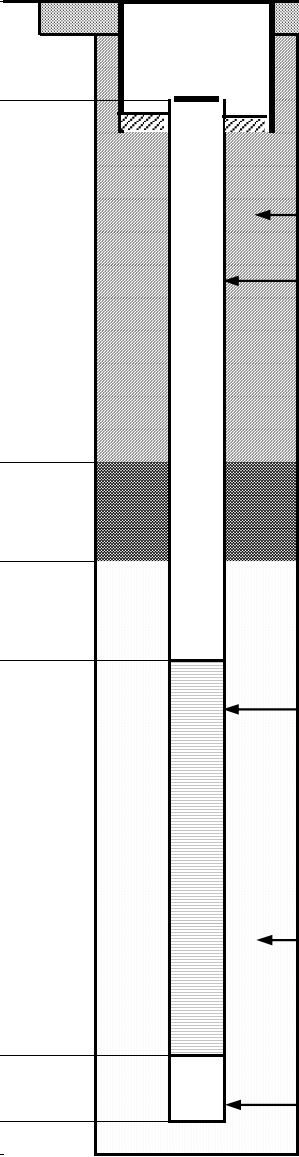
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-1A		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 22.32</div>	
Project No: 3480140433		Date: 12/19/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.09	23.41			
Riser Pipe	0	22.32			
Top of Seal	10.80	11.52			
Top of Filter Pack	11.80	10.52			
Top of Screen	13.80	8.52			
Base of Screen	28.80	-6.48			
End Cap	29.80	-7.48			
Total Depth	29.80	-7.48			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-1B		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 24.25	
Project No: 3480140433		Date: 12/3/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	25.25			
Riser Pipe	0	24.25			
Top of Seal	8.48	15.77			
Top of Filter Pack	9.48	14.77			
Top of Screen	11.48	12.77			

Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-1C		<b>Measuring Point</b> Type: <span style="color: red;">Top Of Riser</span> Elevation (ft): <span style="color: red;">23.02</span>
Project No: 3480140433		Date: 12/19/2014		
Client: de maximis, inc.		Subcontractor: ADT		
Drilling Method: Hollow Stem Auger				
Development Method: Surging				
Bucking Posts: N/A				
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	<span style="color: red;">-1.00</span>	24.02	 <div> Flushmount Diameter: 2' x 2' Square  Surface Seal Type: Asphalt  Backfill/Grout Type: Cement  Riser Pipe Type: Sch 40 PVC  Riser Pipe Diameter: 4 inches  Borehole Diameter: 8.5 inches  Type of Seal: Bentonite  Screen Type: 4" Ø PVC Vee-Wire Continuous Slot  Screen Slot Size: 0.020"  Screen Length: 15 feet  Filter/Sand Pack Type: FilPro #00N Silica Sand  Sump: 1' </div>	
Riser Pipe	<span style="color: red;">0</span>	23.02		
Top of Seal	<span style="color: red;">12.26</span>	10.76		
Top of Filter Pack	<span style="color: red;">13.26</span>	9.76		
Top of Screen	<span style="color: red;">15.26</span>	7.76		
Base of Screen	<span style="color: red;">30.26</span>	-7.24		
End Cap	<span style="color: red;">31.26</span>	-8.24		
Total Depth	<span style="color: red;">31.26</span>	-8.24		
<b>Notes:</b>				

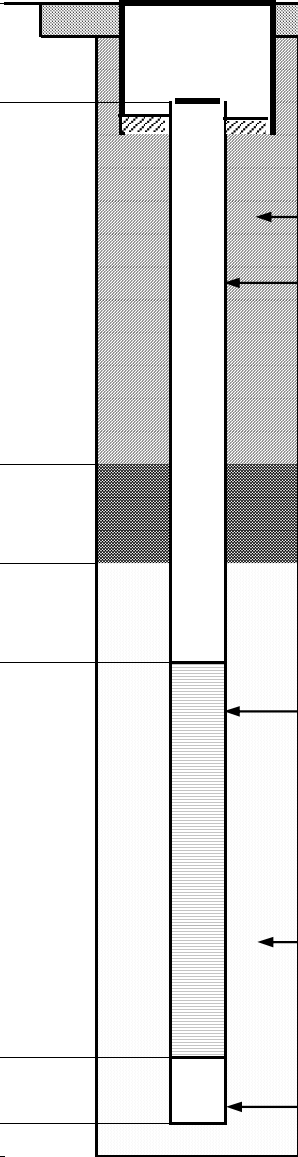
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-1D		<b>Measuring Point</b> <b>Type:</b> Top Of Riser <b>Elevation (ft):</b> 21.23	
Project No: 3480140433		Date: 12/4/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.99	22.22	 <div>Flushmount Diameter: 30" x 30" Square</div> <div>Surface Seal Type: Asphalt</div> <div>Backfill/Grout Type: Cement</div> <div>Riser Pipe Type: Sch 40 PVC</div> <div>Riser Pipe Diameter: 4 inches</div> <div>Borehole Diameter: 8.5 inches</div> <div>Type of Seal: Bentonite</div> <div>Screen Type: 4" Ø PVC Vee-Wire Continuous Slot</div> <div>Screen Slot Size: 0.020"</div> <div>Screen Length: 15 feet</div> <div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div> <div>Sump: 1'</div>		
Riser Pipe	0	21.23			
Top of Seal	8.90	12.33			
Top of Filter Pack	9.90	11.33			
Top of Screen	11.90	9.33			
Base of Screen	26.90	-5.67			
End Cap	27.90	-6.67			
Total Depth	27.90	-6.67			
Notes:					

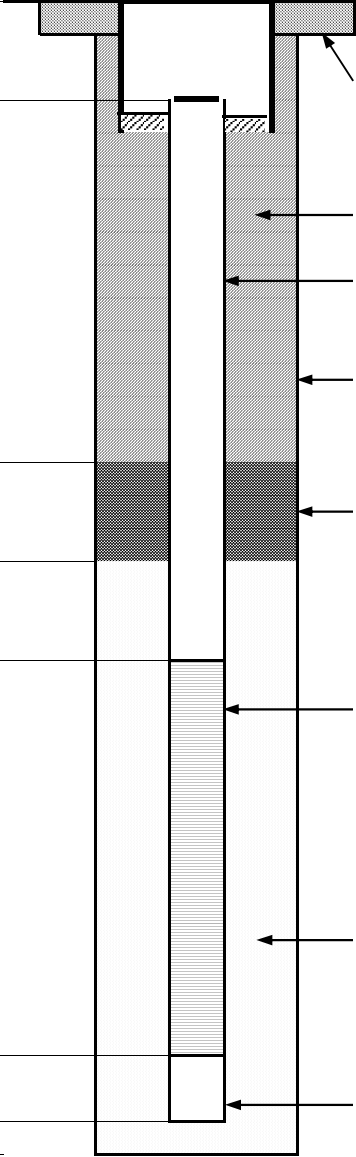
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-2A			
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/5/2014		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type:	Top Of Riser
Bucking Posts: N/A				Elevation (ft):	20.42
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.27	21.69	<div>Flushmount Diameter: 30" x 30" Square</div>		
Riser Pipe	0	20.42	<div>Surface Seal Type: Asphalt</div>		
			<div>Backfill/Grout Type: Cement</div>		
			<div>Riser Pipe Type: Sch 40 PVC</div>		
			<div>Riser Pipe Diameter: 4 inches</div>		
			<div>Borehole Diameter: 8.5 inches</div>		
Top of Seal	8.60	11.82	<div>Type of Seal: Bentonite</div>		
Top of Filter Pack	9.60	10.82			
Top of Screen	11.60	8.82	<div>Screen Type: 4" Ø PVC Vee-Wire Continuous Slot</div>		
			<div>Screen Slot Size: 0.020"</div>		
			<div>Screen Length: 15 feet</div>		
			<div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div>		
Base of Screen	26.60	-6.18			
End Cap	27.60	-7.18	<div>Sump: 1'</div>		
Total Depth	27.60	-7.18			
Notes:					

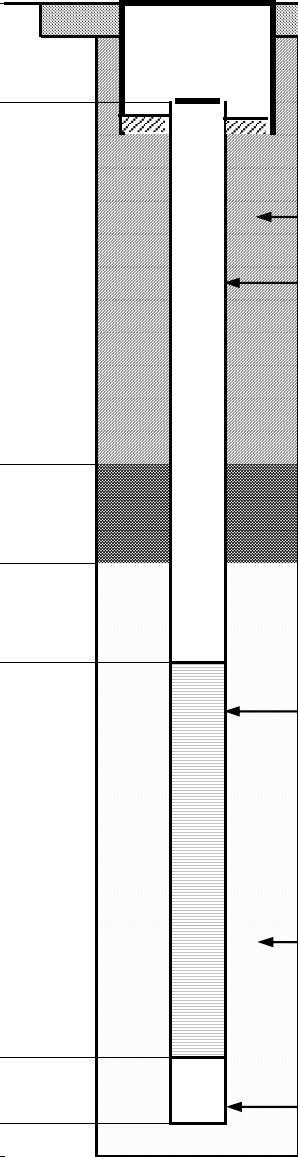
Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-2B		<b>Measuring Point</b> Type: <span style="color: red;">Top Of Riser</span> Elevation (ft): <span style="color: red;">22.67</span>
Project No: 3480140433		Date: 12/3/2014		
Client: de maximis, inc.		Subcontractor: ADT		
Drilling Method: Hollow Stem Auger				
Development Method: Surging				
Bucking Posts: N/A				
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	<span style="color: red;">-1.00</span>	23.67	 <div> Flushmount Diameter: 2' x 2' Square  Surface Seal Type: Asphalt  Backfill/Grout Type: Cement  Riser Pipe Type: Sch 40 PVC  Riser Pipe Diameter: 4 inches  Borehole Diameter: 8.5 inches  Type of Seal: Bentonite  Screen Type: 4" Ø PVC Vee-Wire Continuous Slot  Screen Slot Size: 0.020"  Screen Length: 20 feet  Filter/Sand Pack Type: FilPro #00N Silica Sand  Sump: 1' </div>	
Riser Pipe	<span style="color: red;">0</span>	22.67		
Top of Seal	<span style="color: red;">-1.40</span>	24.07		
Top of Filter Pack	<span style="color: red;">-0.40</span>	23.07		
Top of Screen	<span style="color: red;">1.60</span>	21.07		
Base of Screen	<span style="color: red;">21.60</span>	1.07		
End Cap	<span style="color: red;">22.60</span>	0.07		
Total Depth	<span style="color: red;">22.60</span>	0.07		
<b>Notes:</b>				



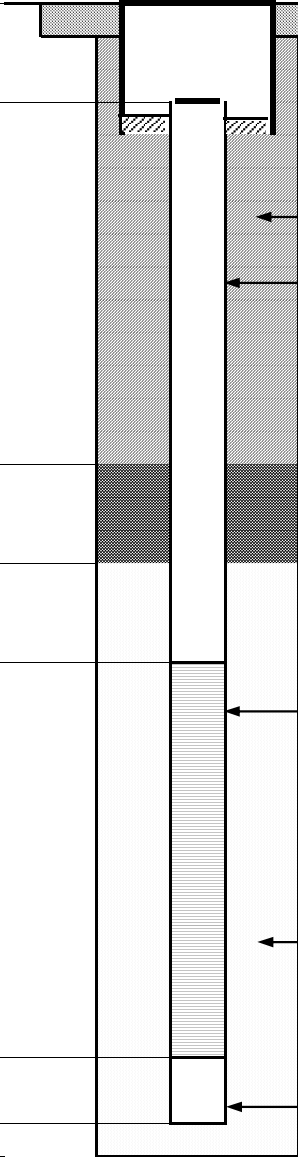
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-2C		<b>Measuring Point</b> Type: <span style="color: red;">Top Of Riser</span> Elevation (ft): <span style="color: red;">22.65</span>	
Project No: 3480140433		Date: 12/1/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	<span style="color: red;">-1.17</span>	23.82	<div> <div> </div> <div> Flushmount Diameter: 2' x 2' Square  Surface Seal Type: Asphalt  Backfill/Grout Type: Cement  Riser Pipe Type: Sch 40 PVC  Riser Pipe Diameter: 4 inches  Borehole Diameter: 8.5 inches  Type of Seal: Bentonite  Screen Type: 4" Ø PVC Vee-Wire Continuous Slot  Screen Slot Size: 0.020"  Screen Length: 15 feet  Filter/Sand Pack Type: FilPro #00N Silica Sand  Sump: 1' </div> </div>		
Riser Pipe	<span style="color: red;">0</span>	22.65			
Top of Seal	<span style="color: red;">13.15</span>	9.50			
Top of Filter Pack	<span style="color: red;">14.15</span>	8.50			
Top of Screen	<span style="color: red;">16.15</span>	6.50			
Base of Screen	<span style="color: red;">31.15</span>	-8.50			
End Cap	<span style="color: red;">32.15</span>	-9.50			
Total Depth	<span style="color: red;">32.15</span>	-9.50			
<b>Notes:</b>					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL			
Project: Review Avenue Development Sites		Well ID: TF-2D		<b>Measuring Point</b> <b>Type:</b> Top Of Riser <b>Elevation (ft):</b> 19.72			
Project No: 3480140433		Date: 12/5/2014					
Client: de maximis, inc.		Subcontractor: ADT					
Drilling Method: Hollow Stem Auger							
Development Method: Surging							
Bucking Posts: N/A							
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description				
Top of Vault	-1.46	21.18					
Riser Pipe	0	19.72					
Top of Seal	8.70	11.02					
Top of Filter Pack	9.70	10.02					
Top of Screen	11.70	8.02					
Base of Screen	26.70	-6.98					
End Cap	27.70	-7.98					
Total Depth	27.70	-7.98					
Notes:							

Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-3A		
Project No: 3480140433				
Client: de maximis, inc.		Date: 12/1/2014		Subcontractor: ADT
Drilling Method: Hollow Stem Auger			Measuring Point	
Development Method: Surging			Type: Top Of Riser	
Bucking Posts: N/A			Elevation (ft): 17.99	
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.81	19.80	 <div> <div>Flushmount Diameter:</div> <div>30" x 30" Square</div> </div>	
Riser Pipe	0	17.99	<div> <div>Surface Seal Type:</div> <div>Asphalt</div> </div>	
			<div> <div>Backfill/Grout Type:</div> <div>Cement</div> </div>	
			<div> <div>Riser Pipe Type:</div> <div>Sch 40 PVC</div> </div>	
			<div> <div>Riser Pipe Diameter:</div> <div>4 inches</div> </div>	
			<div> <div>Borehole Diameter:</div> <div>8.5 inches</div> </div>	
Top of Seal	8.00	9.99	<div> <div>Type of Seal:</div> <div>Bentonite</div> </div>	
Top of Filter Pack	9.00	8.99		
Top of Screen	11.00	6.99	<div> <div>Screen Type:</div> <div>4" Ø PVC Vee-Wire Continuous Slot</div> </div>	
			<div> <div>Screen Slot Size:</div> <div>0.020"</div> </div>	
			<div> <div>Screen Length:</div> <div>15 feet</div> </div>	
			<div> <div>Filter/Sand Pack Type:</div> <div>FilPro #00N Silica Sand</div> </div>	
Base of Screen	26.00	-8.01		
End Cap	27.00	-9.01	<div> <div>Sump:</div> <div>1'</div> </div>	
Total Depth	27.00	-9.01		
<b>Notes:</b>				

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-3B			
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/15/2014		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type:	Top Of Riser
Bucking Posts: N/A				Elevation (ft):	19.86
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	20.86			
Riser Pipe	0	19.86	Flushmount Diameter:	2' x 2' Square	
			Surface Seal Type:	Asphalt	
			Backfill/Grout Type:	Cement	
			Riser Pipe Type:	Sch 40 PVC	
			Riser Pipe Diameter:	4 inches	
			Borehole Diameter:	8.5 inches	
Top of Seal	6.43	13.43	Type of Seal:	Bentonite	
Top of Filter Pack	7.43	12.43			
Top of Screen	9.43	10.43	Screen Type:	4" Ø PVC Vee-Wire Continuous Slot	
			Screen Slot Size:	0.020"	
			Screen Length:	15 feet	
			Filter/Sand Pack Type:	FilPro #00N Silica Sand	
Base of Screen	24.43	-4.57			
End Cap	25.43	-5.57	Sump:	1'	
Total Depth	25.43	-5.57			
Notes:					

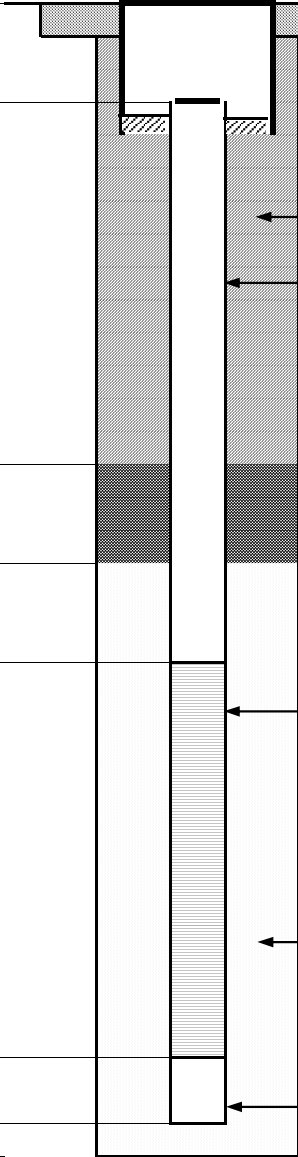
Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-3C		
Project No: 3480140433				
Client: de maximis, inc.		Date: 12/1/2014		Subcontractor: ADT
Drilling Method: Hollow Stem Auger			Measuring Point	
Development Method: Surging			Type: Top Of Riser	
Bucking Posts: N/A			Elevation (ft): 19.84	
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.00	20.84	<div> <div> <div>Flushmount Diameter: 2' x 2' Square</div> <div>Surface Seal Type: Asphalt</div> <div>Backfill/Grout Type: Cement</div> <div>Riser Pipe Type: Sch 40 PVC</div> <div>Riser Pipe Diameter: 4 inches</div> <div>Borehole Diameter: 8.5 inches</div> <div>Type of Seal: Bentonite</div> <div>Screen Type: 4" Ø PVC Vee-Wire Continuous Slot</div> <div>Screen Slot Size: 0.020"</div> <div>Screen Length: 15 feet</div> <div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div> <div>Sump: 1'</div> </div> </div>	
Riser Pipe	0	19.84		
Top of Seal	8.80	11.04		
Top of Filter Pack	9.80	10.04		
Top of Screen	11.80	8.04		
Base of Screen	26.80	-6.96		
End Cap	27.80	-7.96		
Total Depth	27.80	-7.96		
<b>Notes:</b>				

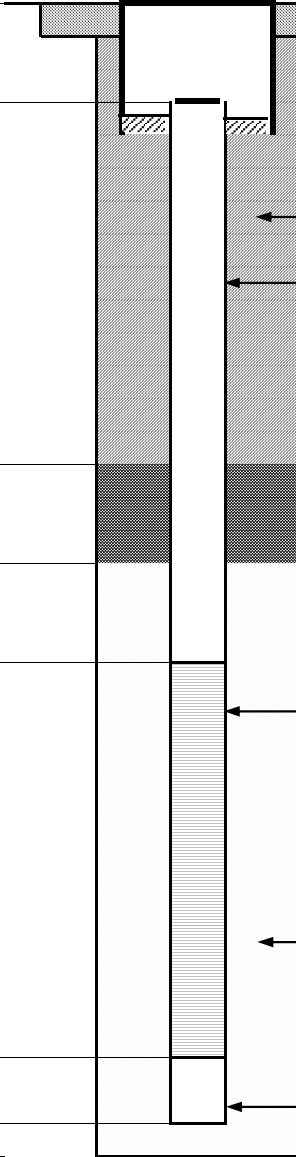
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-3D		Subcontractor: ADT  Measuring Point Type: Top Of Riser Elevation (ft): 19.67	
Project No: 3480140433		Date: 12/5/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.86	20.53			
Riser Pipe	0	19.67			
Top of Seal	8.20	11.47	Flushmount Diameter: 30" x 30" Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	8.20	11.47			
			Type of Seal: Bentonite		
Top of Filter Pack	9.20	10.47			
Top of Screen	11.20	8.47	4" Ø PVC Vee-Wire Continuous Slot		
			Screen Type:		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	26.20	-6.53			
End Cap	27.20	-7.53	Sump: 1'		
Total Depth	27.20	-7.53			
Notes:					

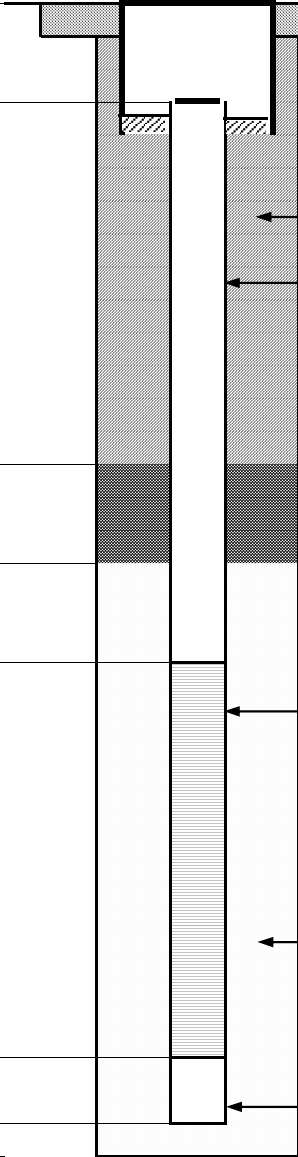
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-4A			
Project No: 3480140433					
Client: de maximis, inc.		Date: 11/25/2014		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type:	Top Of Riser
Bucking Posts: N/A				Elevation (ft):	17.09
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	18.09	<div>Flushmount Diameter: 30" x 30" Square</div>		
Riser Pipe	0	17.09	<div>Surface Seal Type: Asphalt</div>		
			<div>Backfill/Grout Type: Cement</div>		
			<div>Riser Pipe Type: Sch 40 PVC</div>		
			<div>Riser Pipe Diameter: 4 inches</div>		
			<div>Borehole Diameter: 8.5 inches</div>		
Top of Seal	5.49	11.60	<div>Type of Seal: Bentonite</div>		
Top of Filter Pack	6.49	10.60			
Top of Screen	8.49	8.60	<div>Screen Type: 4" Ø PVC Vee-Wire Continuous Slot</div>		
			<div>Screen Slot Size: 0.020"</div>		
			<div>Screen Length: 15 feet</div>		
			<div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div>		
Base of Screen	23.49	-6.40			
End Cap	24.49	-7.40	<div>Sump: 1'</div>		
Total Depth	24.49	-7.40			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-4B		Measuring Point Type: Top Of Riser Elevation (ft): 17.41	
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/19/2014			
Subcontractor: ADT					
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.04	18.45	Flushmount Diameter: 2' x 2' Square		
Riser Pipe	0	17.41	Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	7.00	10.41	Type of Seal: Bentonite		
Top of Filter Pack	8.00	9.41			
Top of Screen	10.00	7.41	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	25.00	-7.59			
End Cap	26.00	-8.59	Sump: 1'		
Total Depth	26.00	-8.59			
Notes:					

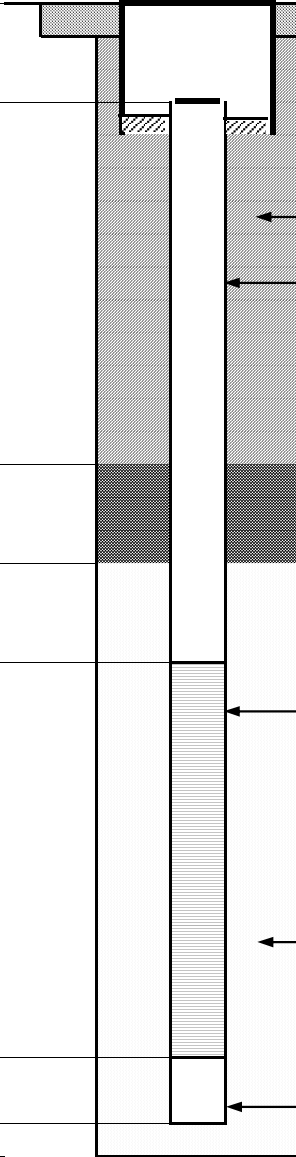


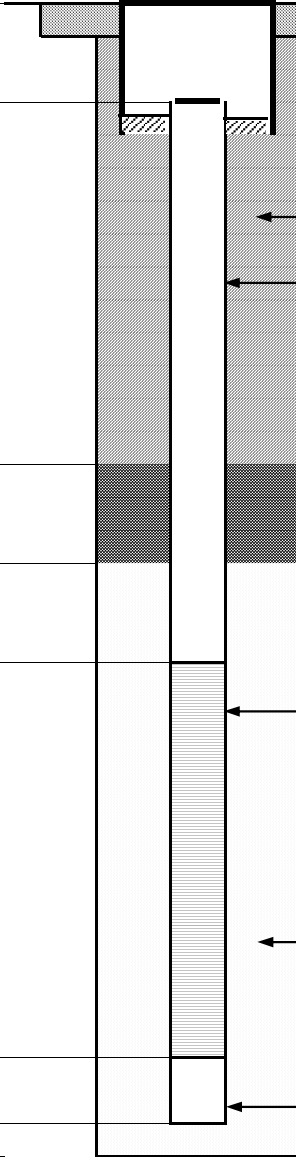
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-4C		Subcontractor: ADT  Measuring Point Type: Top Of Riser Elevation (ft): 17.48	
Project No: 3480140433		Date: 12/1/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger				Measuring Point Type: Top Of Riser Elevation (ft): 17.48	
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.91	18.39			
Riser Pipe	0	17.48			
Top of Seal	6.70	10.78	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	6.70	10.78			
			Type of Seal: Bentonite		
Top of Filter Pack	7.70	9.78			
Top of Screen	9.70	7.78			
			Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	24.70	-7.22			
End Cap	25.70	-8.22	Sump: 1'		
Total Depth	25.70	-8.22			
Notes:					

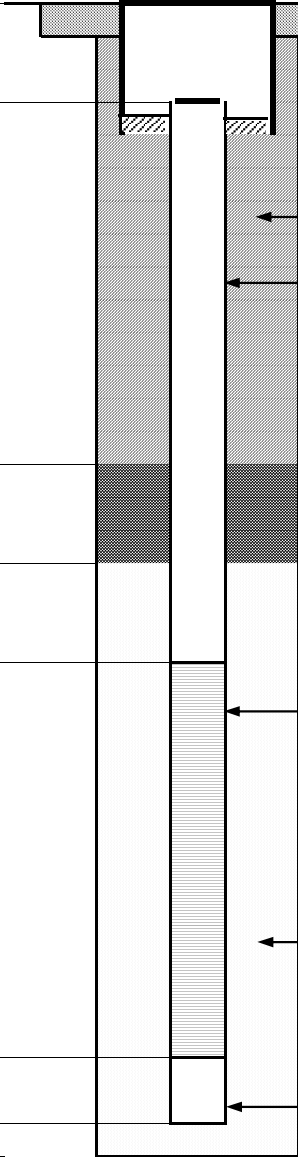
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-4D		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 17.32	
Project No: 3480140433		Date: 11/24/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.01	18.33			
Riser Pipe	0	17.32			
Top of Seal	9.10	8.22	Flushmount Diameter: 30" x 30" Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	9.10	8.22	Type of Seal: Bentonite		
Top of Filter Pack	10.10	7.22	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
Top of Screen	12.10	5.22	Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	27.10	-9.78	Sump: 1'		
End Cap	28.10	-10.78			
Total Depth	28.10	-10.78			
Notes:					

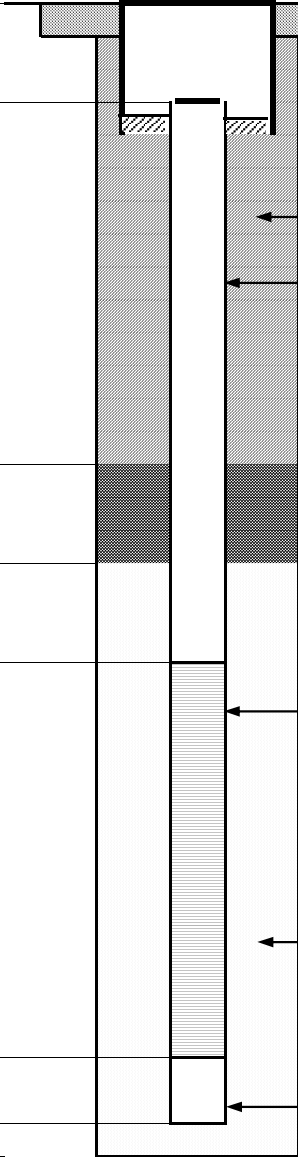
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-5A		Subcontractor: ADT  Measuring Point Type: Top Of Riser Elevation (ft): 15.25	
Project No: 3480140433		Date: 11/25/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.95	16.20			
Riser Pipe	0	15.25			
Top of Seal	6.05	9.20	Flushmount Diameter: 30" x 30" Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	6.05	9.20	Type of Seal: Bentonite		
Top of Filter Pack	7.05	8.20			
Top of Screen	8.05	7.20	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	23.05	-7.80			
End Cap	24.05	-8.80	Sump: 1'		
Total Depth	24.05	-8.80			
Notes:					

Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-5B		
Project No: 3480140433		Date: 12/18/2014		Subcontractor: ADT
Client: de maximis, inc.		Measuring Point		
Drilling Method: Hollow Stem Auger		Type: Top Of Riser		
Development Method: Surging		Elevation (ft): 14.9		
Bucking Posts: N/A				
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.30	16.20	Flushmount Diameter:	2' x 2' Square
Riser Pipe	0	14.9	Surface Seal Type:	Asphalt
			Backfill/Grout Type:	Cement
			Riser Pipe Type:	Sch 40 PVC
			Riser Pipe Diameter:	4 inches
			Borehole Diameter:	8.5 inches
Top of Seal	5.70	9.20	Type of Seal:	Bentonite
Top of Filter Pack	6.70	8.20		
Top of Screen	7.70	7.20	Screen Type:	4" Ø PVC Vee-Wire Continuous Slot
			Screen Slot Size:	0.020"
			Screen Length:	15 feet
			Filter/Sand Pack Type:	FilPro #00N Silica Sand
Base of Screen	22.70	-7.80		
End Cap	23.70	-8.80	Sump:	1'
Total Depth	23.70	-8.80		
Notes:				

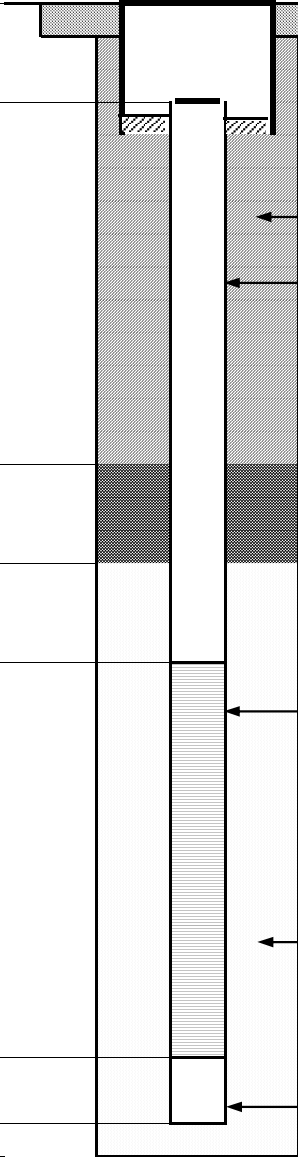
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-5C		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 15.02</div>	
Project No: 3480140433		Date: 12/22/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.93	15.95			
Riser Pipe	0	15.02			
Top of Seal	5.40	9.62			
Top of Filter Pack	6.40	8.62			
Top of Screen	7.40	7.62			
	</				

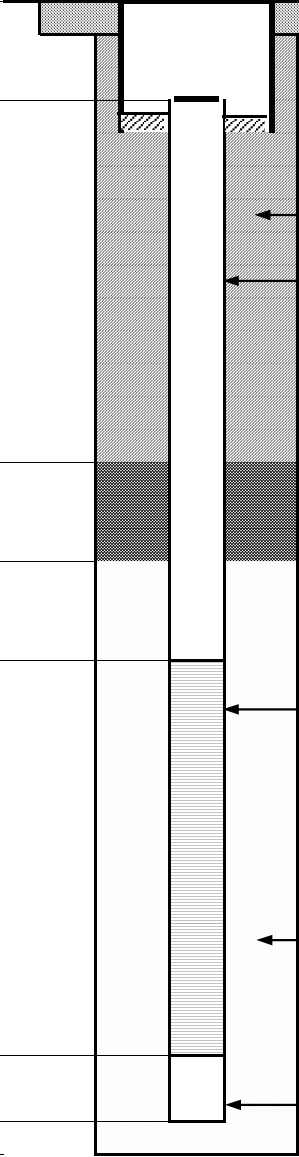
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-5D		<div>Measuring Point</div> <div>Type: Top Of Riser</div> <div>Elevation (ft): 15.42</div>	
Project No: 3480140433		Date: 11/24/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-0.99	16.41			
Riser Pipe	0	15.42			
Top of Seal	5.60	9.82	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	5.60	9.82	Type of Seal: Bentonite		
Top of Filter Pack	6.60	8.82			
Top of Screen	7.60	7.82	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	22.60	-7.18	Sump: 1'		
End Cap	23.60	-8.18			
Total Depth	23.60	-8.18			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL			
Project: Review Avenue Development Sites		Well ID: TF-6A		Subcontractor: ADT			
Project No: 3480140433		Date: 1/20/2015					
Client: de maximis, inc.		Subcontractor: ADT					
Drilling Method: Hollow Stem Auger				Measuring Point Type: Top Of Riser Elevation (ft): 17.73			
Development Method: Surging							
Bucking Posts: N/A							
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description				
Top of Vault	-0.96	18.68					
Riser Pipe	0	17.73				Flushmount Diameter:	2' x 2' Square
						Surface Seal Type:	Asphalt
						Backfill/Grout Type:	Cement
						Riser Pipe Type:	Sch 40 PVC
						Riser Pipe Diameter:	4 inches
						Borehole Diameter:	8.5 inches
Top of Seal	7.20	10.53				Type of Seal:	Bentonite
Top of Filter Pack	8.20	9.53					
Top of Screen	10.20	7.53				Screen Type:	4" Ø PVC Vee-Wire Continuous Slot
						Screen Slot Size:	0.020"
						Screen Length:	15 feet
						Filter/Sand Pack Type:	FilPro #00N Silica Sand
Base of Screen	25.20	-7.47				Sump:	1'
End Cap	26.20	-8.47					
Total Depth	26.20	-8.47					
Notes:							

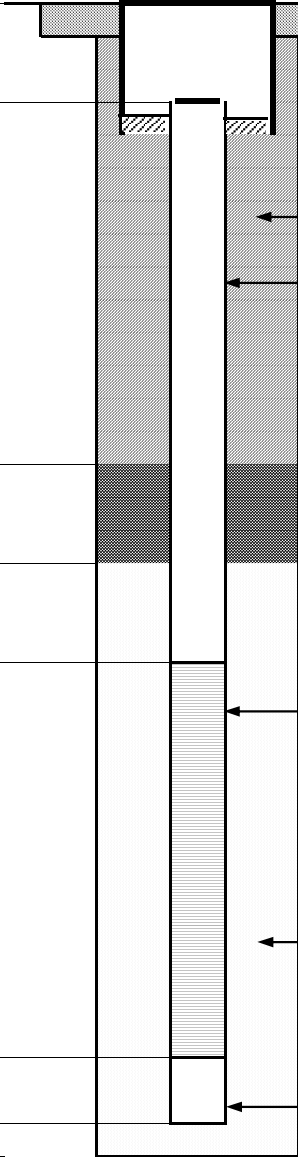
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-6B		<b>Measuring Point</b> <b>Type:</b> Top Of Riser <b>Elevation (ft):</b> 16.34	
Project No: 3480140433		Date: 12/23/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.23	17.57			
Riser Pipe	0	16.34	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	6.25	10.09	Type of Seal: Bentonite		
Top of Filter Pack	7.25	9.09			
Top of Screen	9.25	7.09	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	24.25	-7.91			
End Cap	25.25	-8.91	Sump: 1'		
Total Depth	25.25	-8.91			
Notes:					

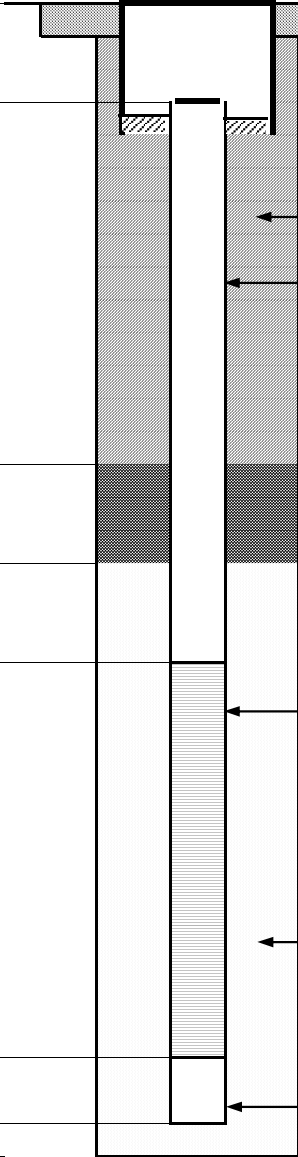


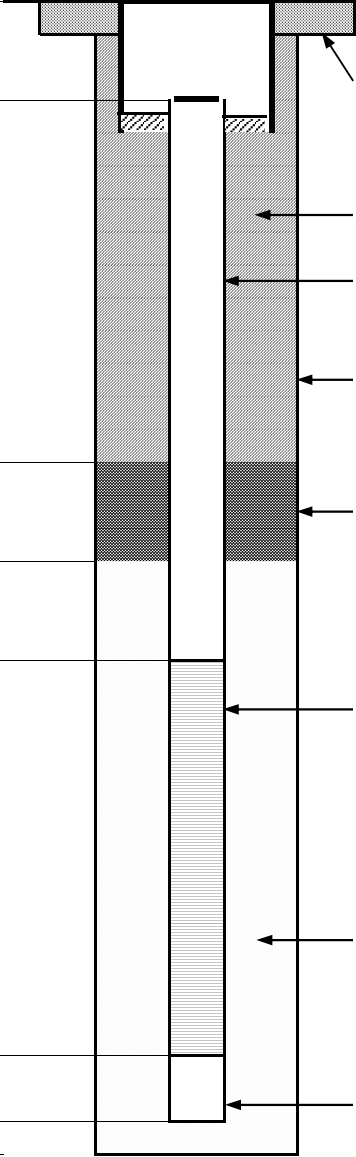
Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-6C		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 15.87	
Project No: 3480140433		Date: 1/19/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	16.87	 <div>Flushmount Diameter: 2' x 2' Square</div> <div>Surface Seal Type: Asphalt</div> <div>Backfill/Grout Type: Cement</div> <div>Riser Pipe Type: Sch 40 PVC</div> <div>Riser Pipe Diameter: 4 inches</div> <div>Borehole Diameter: 8.5 inches</div> <div>Type of Seal: Bentonite</div> <div>Screen Type: 4" Ø PVC Vee-Wire Continuous Slot</div> <div>Screen Slot Size: 0.020"</div> <div>Screen Length: 15 feet</div> <div>Filter/Sand Pack Type: FilPro #00N Silica Sand</div> <div>Sump: 1'</div>		
Riser Pipe	0	15.87			
Top of Seal	4.76	11.11			
Top of Filter Pack	5.76	10.11			
Top of Screen	7.76	8.11			
Base of Screen	22.76	-6.89			
End Cap	23.76	-7.89			
Total Depth	23.76	-7.89			
Notes:					

Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-6D		
Project No: 3480140433		Date: 1/21/2015		Subcontractor: ADT
Client: de maximis, inc.		Measuring Point		
Drilling Method: Hollow Stem Auger		Type: Top Of Riser		
Development Method: Surging		Elevation (ft): 14.93		
Bucking Posts: N/A				
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.16	16.09	 <div> <div>Flushmount Diameter:</div> <div>2' x 2' Square</div> </div>	
Riser Pipe	0	14.93	<div> <div>Surface Seal Type:</div> <div>Asphalt</div> </div>	
			<div> <div>Backfill/Grout Type:</div> <div>Cement</div> </div>	
			<div> <div>Riser Pipe Type:</div> <div>Sch 40 PVC</div> </div>	
			<div> <div>Riser Pipe Diameter:</div> <div>4 inches</div> </div>	
			<div> <div>Borehole Diameter:</div> <div>8.5 inches</div> </div>	
Top of Seal	4.90	10.03	<div> <div>Type of Seal:</div> <div>Bentonite</div> </div>	
Top of Filter Pack	5.90	9.03		
Top of Screen	6.90	8.03	<div> <div>Screen Type:</div> <div>4" Ø PVC Vee-Wire Continuous Slot</div> </div>	
			<div> <div>Screen Slot Size:</div> <div>0.020"</div> </div>	
			<div> <div>Screen Length:</div> <div>15 feet</div> </div>	
			<div> <div>Filter/Sand Pack Type:</div> <div>FilPro #00N Silica Sand</div> </div>	
Base of Screen	21.90	-6.97		
End Cap	22.90	-7.97	<div> <div>Sump:</div> <div>1'</div> </div>	
Total Depth	22.90	-7.97		
<b>Notes:</b>				

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-7A			
Project No: 3480140433					
Client: de maximis, inc.		Date: 1/20/2015		Subcontractor: ADT	
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type: Top Of Riser	
Bucking Posts: N/A				Elevation (ft): 18.30	
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.09	19.39	<div> <div> </div> <div> <div>Flushmount Diameter:</div> <div>30" x 30" Square</div> </div> </div>		
Riser Pipe	0	18.30	<div> <div> <div>Surface Seal Type:</div> <div>Asphalt</div> </div> <div> <div>Backfill/Grout Type:</div> <div>Cement</div> </div> <div> <div>Riser Pipe Type:</div> <div>Sch 40 PVC</div> </div> <div> <div>Riser Pipe Diameter:</div> <div>4 inches</div> </div> <div> <div>Borehole Diameter:</div> <div>8.5 inches</div> </div> </div>		
Top of Seal	7.55	10.75	<div> <div> <div>Type of Seal:</div> <div>Bentonite</div> </div> </div>		
Top of Filter Pack	8.55	9.75			
Top of Screen	10.55	7.75	<div> <div> <div>Screen Type:</div> <div>4" Ø PVC Vee-Wire Continuous Slot</div> </div> <div> <div>Screen Slot Size:</div> <div>0.020"</div> </div> <div> <div>Screen Length:</div> <div>15 feet</div> </div> <div> <div>Filter/Sand Pack Type:</div> <div>FilPro #00N Silica Sand</div> </div> </div>		
Base of Screen	25.55	-7.25			
End Cap	26.55	-8.25	<div> <div> <div>Sump:</div> <div>1'</div> </div> </div>		
Total Depth	26.55	-8.25			
<b>Notes:</b>					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-7B		Subcontractor: ADT	
Project No: 3480140433		Date: 12/22/2014			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger				Measuring Point	
Development Method: Surging				Type: Top Of Riser	
Bucking Posts: N/A				Elevation (ft): 16.77	
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	17.77	 Flushmount Diameter: 2' x 2' Square		
Riser Pipe	0	16.77	Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	5.56	11.21	Type of Seal: Bentonite		
Top of Filter Pack	6.56	10.21			
Top of Screen	8.56	8.21	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	23.56	-6.79			
End Cap	24.56	-7.79	Sump: 1'		
Total Depth	24.56	-7.79			
Notes:					

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-7C		<b>Measuring Point</b> <b>Type:</b> Top Of Riser <b>Elevation (ft):</b> 16.52	
Project No: 3480140433					
Client: de maximis, inc.		Date: 12/30/2014			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.00	17.52			
Riser Pipe	0	16.52	Flushmount Diameter: 2' x 2' Square		
			Surface Seal Type: Asphalt		
			Backfill/Grout Type: Cement		
			Riser Pipe Type: Sch 40 PVC		
			Riser Pipe Diameter: 4 inches		
			Borehole Diameter: 8.5 inches		
Top of Seal	4.85	11.67	Type of Seal: Bentonite		
Top of Filter Pack	5.85	10.67			
Top of Screen	7.85	8.67	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot		
			Screen Slot Size: 0.020"		
			Screen Length: 15 feet		
			Filter/Sand Pack Type: FilPro #00N Silica Sand		
Base of Screen	22.85	-6.33			
End Cap	23.85	-7.33	Sump: 1'		
Total Depth	23.85	-7.33			
Notes:					

Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-7D		
Project No: 3480140433		Date: 1/21/2015		Subcontractor: ADT
Client: de maximis, inc.		Drilling Method: Hollow Stem Auger		Measuring Point Type: Top Of Riser Elevation (ft): 15.93
Development Method: Surging		Bucking Posts: N/A		
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-1.18	17.11	 <div> <div>Flushmount Diameter:</div> <div>30" x 30" Square</div> </div>	
Riser Pipe	0	15.93	<div> <div>Surface Seal Type:</div> <div>Asphalt</div> </div>	
			<div> <div>Backfill/Grout Type:</div> <div>Cement</div> </div>	
			<div> <div>Riser Pipe Type:</div> <div>Sch 40 PVC</div> </div>	
			<div> <div>Riser Pipe Diameter:</div> <div>4 inches</div> </div>	
			<div> <div>Borehole Diameter:</div> <div>8.5 inches</div> </div>	
Top of Seal	4.75	11.18	<div> <div>Type of Seal:</div> <div>Bentonite</div> </div>	
Top of Filter Pack	5.75	10.18		
Top of Screen	7.75	8.18	<div> <div>Screen Type:</div> <div>4" Ø PVC Vee-Wire Continuous Slot</div> </div>	
			<div> <div>Screen Slot Size:</div> <div>0.020"</div> </div>	
			<div> <div>Screen Length:</div> <div>15 feet</div> </div>	
			<div> <div>Filter/Sand Pack Type:</div> <div>FilPro #00N Silica Sand</div> </div>	
Base of Screen	22.75	-6.82		
End Cap	23.75	-7.82	<div> <div>Sump:</div> <div>1'</div> </div>	
Total Depth	23.75	-7.82		
Notes:				

Amec Foster Wheeler Environment & Infrastructure			FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-7E		
Project No: 3480140433		Date: 1/21/2015		Subcontractor: ADT
Client: de maximis, inc.		Drilling Method: Hollow Stem Auger		Measuring Point
Development Method: Surging		Type: Top Of Riser		
Bucking Posts: N/A		Elevation (ft): 15.09		
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description	
Top of Vault	-0.94	16.03		
Riser Pipe	0	15.09	Flushmount Diameter: 2' x 2' Square Surface Seal Type: Asphalt Backfill/Grout Type: Cement Riser Pipe Type: Sch 40 PVC Riser Pipe Diameter: 4 inches Borehole Diameter: 8.5 inches	
Top of Seal	5.20	9.89	Type of Seal: Bentonite	
Top of Filter Pack	6.20	8.89		
Top of Screen	7.20	7.89	Screen Type: 4" Ø PVC Vee-Wire Continuous Slot Screen Slot Size: 0.020" Screen Length: 15 feet Filter/Sand Pack Type: FilPro #00N Silica Sand	
Base of Screen	22.20	-7.11		
End Cap	23.20	-8.11	Sump: 1'	
Total Depth	23.20	-8.11		
Notes:				

Amec Foster Wheeler Environment & Infrastructure				FLUSHMOUNT OVERBURDEN RECOVERY WELL	
Project: Review Avenue Development Sites		Well ID: TF-7F		<b>Measuring Point</b> Type: Top Of Riser Elevation (ft): 13.89	
Project No: 3480140433		Date: 1/28/2015			
Client: de maximis, inc.		Subcontractor: ADT			
Drilling Method: Hollow Stem Auger					
Development Method: Surging					
Bucking Posts: N/A					
Item	Depth, below Measuring Point (ft)	Elevation (ft)	Description		
Top of Vault	-1.51	15.40			
Riser Pipe	0	13.89			
Top of Seal	4.60	9.29			
Top of Filter Pack	5.60	8.29			
Top of Screen	6.60	7.29			
Base of Screen	21.60	-7.71			
End Cap	22.60	-8.71			
Total Depth	22.60	-8.71			
			Notes:		