



February 26, 2013

Mr. John Geary, Project Manager
EQ – The Environmental Quality Company
EQ Northeast, Inc.
185 Industrial Road
Wrentham, MA 02093

Re: Topsoil for EQ Ramapo Site

Dear Mr. Geary:

This Letter is to certify that RER Supply's topsoil is blended and screened at our facility located at Block 3, Lot 2.01, Wantage NJ. Our topsoil is a blend of 60% leaf compost and 40% sandy loam. We compost the leaves on-site, and blend it with virgin sand.

Very truly yours,
RER SUPPLY, LLC

A handwritten signature in dark ink, appearing to read "Andrew Flockhart".

Andrew Flockhart, president



SUMMARY OF ANALYTICAL RESULTS: 460-51508-1

Client ID	NY 375-6.8(b)	Grab-1			Grab-2			Grab-3			Grab-4			Grab-5	
Lab Sample ID	& CP-51 T-1	460-51508-1			460-51508-2			460-51508-3			460-51508-4			460-51508-5	
Sampling Date	Restricted Residential	02/28/2013 10:45:00			02/28/2013 10:50:00			02/28/2013 10:55:00			02/28/2013 11:00:00			02/28/2013 11:05:00	
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil	
Dilution Factor	Criteria	1			1			1			1			1	
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg	
VOA-8260B-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q
SOIL BY 8260B															
1,1,1-Trichloroethane	100	0.00022	U	0.00022	0.00020	U	0.00020	0.00023	U	0.00023	0.00022	U	0.00022	0.00021	U
1,1-Dichloroethane	26	0.00019	U	0.00019	0.00017	U	0.00017	0.00019	U	0.00019	0.00018	U	0.00018	0.00018	U
1,1-Dichloroethene	100	0.00032	U	0.00032	0.00030	U	0.00030	0.00033	U	0.00033	0.00032	U	0.00032	0.00031	U
1,2-Dichlorobenzene	100	0.00017	U	0.00017	0.00016	U	0.00016	0.00017	U	0.00017	0.00017	U	0.00017	0.00016	U
1,2-Dichloroethane	3.1	0.00031	U	0.00031	0.00028	U	0.00028	0.00031	U	0.00031	0.00030	U	0.00030	0.00030	U
1,2-Dichloroethene, cis-	100	0.00019	U	0.00019	0.00017	U	0.00017	0.00019	U	0.00019	0.00018	U	0.00018	0.00018	U
1,2-Dichloroethene, trans-	100	0.00022	U	0.00022	0.00020	U	0.00020	0.00023	U	0.00023	0.00022	U	0.00022	0.00021	U
1,3-Dichlorobenzene	49	0.00027	U	0.00027	0.00025	U	0.00025	0.00028	U	0.00028	0.00027	U	0.00027	0.00026	U
1,4-Dichlorobenzene	13	0.00019	U	0.00019	0.00017	U	0.00017	0.00019	U	0.00019	0.00018	U	0.00018	0.00018	U
1,4-Dioxane	13	0.022	U	0.022	0.020	U	0.020	0.022	U	0.022	0.021	U	0.021	0.021	U
Acetone	100	0.0029	U	0.0029	0.0026	U	0.0026	0.0029	U	0.0029	0.0028	U	0.0028	0.0028	U
Benzene	4.8	0.00026	U	0.00026	0.00023	U	0.00023	0.00026	U	0.00026	0.00025	U	0.00025	0.00025	U
Butylbenzene	100	0.00014	U	0.00014	0.00012	U	0.00012	0.00014	U	0.00014	0.00013	U	0.00013	0.00013	U
Carbon tetrachloride	2.4	0.00026	U	0.00026	0.00023	U	0.00023	0.00026	U	0.00026	0.00025	U	0.00025	0.00025	U
Chlorobenzene	100	0.00031	U	0.00031	0.00028	U	0.00028	0.00031	U	0.00031	0.00030	U	0.00030	0.00030	U
Chloroform	49	0.00041	U	0.00041	0.00037	U	0.00037	0.00042	U	0.00042	0.00040	U	0.00040	0.00039	U
Ethylbenzene	41	0.00029	U	0.00029	0.00027	U	0.00027	0.00030	U	0.00030	0.00028	U	0.00028	0.00028	U
Methyl Ethyl Ketone	NA	0.0011	U	0.0011	0.00098	U	0.00098	0.0011	U	0.0011	0.0011	U	0.0011	0.0010	U
Methyl tert butyl ether	100	0.00019	U	0.00019	0.00017	U	0.00017	0.00019	U	0.00019	0.00018	U	0.00018	0.00018	U
Methylene Chloride	100	0.00077	J B	0.00026	0.00052	J B	0.00023	0.00056	J B	0.00026	0.00091	J B	0.00025	0.00073	J B
Propylbenzene, n-	100	0.00026	U	0.00026	0.00023	U	0.00023	0.00026	U	0.00026	0.00025	U	0.00025	0.00025	U
sec-Butylbenzene	100	0.00022	U	0.00022	0.00020	U	0.00020	0.00023	U	0.00023	0.00022	U	0.00022	0.00021	U
tert-Butylbenzene	100	0.00020	U	0.00020	0.00019	U	0.00019	0.00021	U	0.00021	0.00020	U	0.00020	0.00020	U
Tetrachloroethene	19	0.00020	U	0.00020	0.00019	U	0.00019	0.00021	U	0.00021	0.00020	U	0.00020	0.00020	U
Toluene	100	0.00024	U	0.00024	0.00022	U	0.00022	0.00024	U	0.00024	0.00023	U	0.00023	0.00023	U
Trichloroethene	21	0.00020	U	0.00020	0.00019	U	0.00019	0.00021	U	0.00021	0.00020	U	0.00020	0.00020	U
Trimethylbenzene, 1,2,4-	52	0.00026	U	0.00026	0.00023	U	0.00023	0.00026	U	0.00026	0.00025	U	0.00025	0.00025	U
Trimethylbenzene, 1,3,5-	NA	0.00020	U	0.00020	0.00019	U	0.00019	0.00021	U	0.00021	0.00020	U	0.00020	0.00020	U
Vinyl chloride	0.9	0.00058	U	0.00058	0.00053	U	0.00053	0.00059	U	0.00059	0.00057	U	0.00057	0.00056	U
Xylenes, Total	100	0.0011	U	0.0011	0.0010	U	0.0010	0.0012	U	0.0012	0.0011	U	0.0011	0.0011	U
Total Conc	NA	0.00077			0.00052			0.00056			0.00091			0.00073	

J B : Compound was found in the blank and sample.

U : Indicates the analyte was analyzed for but not detected.

MDL
0.00021
0.00018
0.00031
0.00016
0.00030
0.00018
0.00021
0.00026
0.00018
0.021
0.0028
0.00025
0.00013
0.00025
0.00030
0.00039
0.00028
0.0010
0.00018
0.00025
0.00025
0.00021
0.00020
0.00020
0.00023
0.00020
0.00025
0.00020
0.00056
0.0011



SUMMARY OF ANALYTICAL RESULTS: 460-51508-1

Client ID	NY 375-6.8(b)	Comp-1			Comp-2		
Lab Sample ID	& CP-51 T-1	460-51508-6			460-51508-7		
Sampling Date	Restricted Residential	02/28/2013 11:30:00			02/28/2013 11:50:00		
Matrix	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	1			1		
Unit	mg/kg	mg/kg			mg/kg		
SVOA-8270C-SOIL		Result	Q	MDL	Result	Q	MDL
SOIL BY 8270C							
Acenaphthene	100	0.078	U	0.078	0.079	U	0.079
Acenaphthylene	100	0.063	U	0.063	0.064	U	0.064
Anthracene	100	0.065	U	0.065	0.065	U	0.065
Benzo[a]anthracene	1	0.086		0.0037	0.025	J	0.0038
Benzo[a]pyrene	1	0.10		0.0038	0.021	J	0.0038
Benzo[b]fluoranthene	1	0.16		0.0034	0.035	J	0.0034
Benzo[g,h,i]perylene	100	0.11	J	0.040	0.040	U	0.040
Benzo[k]fluoranthene	3.9	0.073		0.0041	0.0041	U	0.0041
Chrysene	3.9	0.15	J	0.062	0.063	U	0.063
Dibenz(a,h)anthracene	0.33	0.033	J	0.0067	0.0068	U	0.0068
Dibenzofuran	59	0.063	U	0.063	0.063	U	0.063
Fluoranthene	100	0.17	J	0.071	0.072	U	0.072
Fluorene	100	0.068	U	0.068	0.069	U	0.069
Hexachlorobenzene	1.2	0.0073	U	0.0073	0.0074	U	0.0074
Indeno[1,2,3-cd]pyrene	0.5	0.10		0.0099	0.010	U	0.010
m & p - Cresol	NA	0.091	U	0.091	0.092	U	0.092
Naphthalene	100	0.062	U	0.062	0.062	U	0.062
o-Cresol	100	0.091	U	0.091	0.092	U	0.092
Pentachlorophenol	6.7	0.16	U	0.16	0.16	U	0.16
Phenanthrene	100	0.068	U	0.068	0.069	U	0.069
Phenol	100	0.072	U	0.072	0.072	U	0.072
Pyrene	100	0.12	J	0.045	0.045	U	0.045
Total Conc	NA	1.102			0.081		

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-51508-1

Client ID	NY 375-6.8(b)	Comp-1			Comp-2		
Lab Sample ID	& CP-51 T-1	460-51508-6			460-51508-7		
Sampling Date	Restricted Residential	02/28/2013 11:30:00			02/28/2013 11:50:00		
Matrix	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	1			1		
Unit	mg/kg	mg/kg			mg/kg		
GCSVOA-8081A-SOIL		Result	Q	MDL	Result	Q	MDL
SOIL BY 8081A							
4,4'-DDD	13	0.0014	U	0.0014	0.0014	U	0.0014
4,4'-DDE	8.9	0.0011	U	0.0011	0.0012	U	0.0012
4,4'-DDT	7.9	0.0014	U	0.0014	0.0014	U	0.0014
Aldrin	0.097	0.0011	U	0.0011	0.0011	U	0.0011
alpha-BHC	0.48	0.0014	U	0.0014	0.0014	U	0.0014
alpha-Chlordane	4.2	0.0014	U	0.0014	0.0014	U	0.0014
beta-BHC	0.36	0.0013	U	0.0013	0.0013	U	0.0013
delta-BHC	100	0.0013	U	0.0013	0.0013	U	0.0013
Dieldrin	0.2	0.0013	U	0.0013	0.0013	U	0.0013
Endosulfan I	24	0.0013	U	0.0013	0.0013	U	0.0013
Endosulfan II	24	0.0014	U	0.0014	0.0014	U	0.0014
Endosulfan sulfate	24	0.0014	U	0.0014	0.0014	U	0.0014
Endrin	11	0.0016	U	0.0016	0.0016	U	0.0016
gamma-BHC (Lindane)	1.3	0.0013	U	0.0013	0.0013	U	0.0013
Heptachlor	2.1	0.0013	U	0.0013	0.0014	U	0.0014

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-51508-1

Client ID	NY 375-6.8(b)	Comp-1			Comp-2		
Lab Sample ID	& CP-51 T-1	460-51508-6			460-51508-7		
Sampling Date	Restricted Residential	02/28/2013 11:30:00			02/28/2013 11:50:00		
Matrix	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	1			1		
Unit	mg/kg	mg/kg			mg/kg		
GCSVOA-8082-SOIL		Result	Q	MDL	Result	Q	MDL
SOIL BY 8082							
Aroclor 1016	NA	0.024	U	0.024	0.024	U	0.024
Aroclor 1221	NA	0.024	U	0.024	0.024	U	0.024
Aroclor 1232	NA	0.024	U	0.024	0.024	U	0.024
Aroclor 1242	NA	0.024	U	0.024	0.024	U	0.024
Aroclor 1248	NA	0.024	U	0.024	0.024	U	0.024
Aroclor 1254	NA	0.031	U	0.031	0.031	U	0.031
Aroclor 1260	NA	0.031	U	0.031	0.031	U	0.031
Aroclor 1262	NA	0.031	U	0.031	0.031	U	0.031
Aroclor 1268	NA	0.031	U	0.031	0.031	U	0.031
Polychlorinated biphenyls, Total	1	0.031	U	0.031	0.031	U	0.031

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-51508-1

Client ID	NY 375-6.8(b)	Comp-1		Comp-2			
Lab Sample ID	& CP-51 T-1	460-51508-6		460-51508-7			
Sampling Date	Restricted Residential	02/28/2013 11:30:00		02/28/2013 11:50:00			
Matrix	Soil Cleanup	Soil		Soil			
Dilution Factor	Criteria	1		1			
Unit	mg/kg	mg/kg		mg/kg			
GCSVOA-8151A-SOIL	Result	Q	MDL	Result	Q	MDL	
SOIL BY 8151A							
Silvex (2,4,5-TP)	100	0.0030	U	0.0030	0.0030	U	0.0030

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-51508-1

Client ID	NY 375-6.8(b)	Comp-1			Comp-2		
Lab Sample ID	& CP-51 T-1	460-51508-6			460-51508-7		
Sampling Date	Restricted Residential	02/28/2013 11:30:00			02/28/2013 11:50:00		
Matrix	Soil Cleanup	Soil			Soil		
	Criteria						
Unit	mg/kg	mg/kg			mg/kg		
METALS-SOIL		Result	Q	MDL	Result	Q	MDL
SOIL BY 6010B							
Arsenic	16	5.5		1.4	4.2		1.5
Barium	400	38.5	J	1.7	37.1	J	1.8
Beryllium	72	0.43	J	0.22	0.43	J	0.23
Cadmium	4.3	0.22	U	0.22	0.24	U	0.24
Chromium	NA	15.5		1.3	13.7		1.4
Copper	270	29.7		2.9	25.4		3.1
Lead	400	19.1		1.3	16.9		1.4
Manganese	2000	543		1.3	620		1.4
Nickel	310	19.8		1.3	17.5		1.4
Selenium	180	2.0	U	2.0	2.1	U	2.1
Silver	180	0.30	U	0.30	0.32	U	0.32
Zinc	10000	87.8		1.6	76.0		1.7
SOIL BY 7471A							
Mercury	0.81	0.048		0.019	0.045		0.020

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-51508-1

Client ID	NY 375-6.8(b)	Comp-1		Comp-2			
Lab Sample ID	& CP-51 T-1	460-51508-6		460-51508-7			
Sampling Date	Restricted Residential	02/28/2013 11:30:00		02/28/2013 11:50:00			
Matrix	Soil Cleanup	Soil		Soil			
	Criteria						
WETCHEM-SOIL		Result	Q	MDL	Result	Q	MDL
SOIL BY 7196A							
Cr (III) (mg/kg)	180	14.4		2.0	13.7		2.0
Cr (VI) (mg/kg)	110	1.1	J	0.78	0.85	U	0.85
SOIL BY 9012A							
Cyanide, Total (mg/kg)	NA	0.25		0.089	0.20		0.090
SOIL BY 9045C							
pH (su)	NA	7.88	HF		7.85	HF	

Highlighted Concentrations shown in bold type face exceed limits

HF : Field parameter with a holding time of 15 minutes

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

SOR TESTING LABORATORIES, INC.

Geotechnical Engineering - Materials Testing - Forensic Studies
98 Sand Park Rd., Cedar Grove, NJ 07009
(973) 239-6001 Fax (973) 239-8380

Kamil Sor, Ph.D.
Orhun Sor, P.E.
Peter G. Micklus, P.E.
Yilmaz Arhan, Ph.D.
Kenneth Rowbotham, P.E.
Atilla Sencar, P.E.

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client:	RER Supply		
Project:	Information of Client		
Subject:	Laboratory Testing of Topsoil (Contractor's Blend)		
Job No.:	11-193	Report No.:	12-507
		Date:	4/24/12

We present herewith laboratory test results of the regular topsoil sample received on April 20, 2012. At the request of the client, the soil was tested for physical and chemical properties to determine their suitability for use as topsoil. It should be noted that no environmental testing was performed.

The tests were performed in accordance with the methods recommended in the following publications:

1. Rutgers State University
Cook College & Agriculture
Experiment Station
Publication No. 780
2. Methods of Soil Analysis by
American Society of Agronomy
Parts 1 and 2
Published in 1965
Madison, Wisconsin
3. New Jersey Department of Transportation
Standard Specifications
for Road & Bridge Construction, 2007
4. American Society of Testing and Materials
Latest Edition

TEST RESULTS

Soil Properties	Regular Topsoil (Contractor's Blend)
Color	Dark Brown
pH	7.50
Organic Matter, %	4.4
Specific Conductance, micromhos/cm	274
Total Salts, mg/kg	219
Texture: (*) (U.S.D.A. Classification)	Sandy Loam
■ % Sand (2.0 - 0.05 mm)	61
■ % Silt (0.05 - 0.002 mm)	22
■ % Clay (<0.002 mm)	17
Available Nutrients: (lbs. per Acre)	
■ Nitrogen (NH ₄ and NO ₃)	43
■ Phosphorus (P)	83
■ Potassium (K)	580

(*) The gravel content (1" to 2 mm) = 17.4%. The sieve analysis results are presented on Attachment 1.

CONCLUSIONS

1. The topsoil tested is suitable for use as topsoil. Its texture is sandy loam which is a preferable texture for water and air permeability and root proliferation.
2. For optimum grass and shrub growth, the following treatments are suggested:
 - There is no need for lime application.
 - Add 5 lbs. of a urea fertilizer per 1000 square feet area.

Very truly yours,

SOR TESTING LABORATORIES, INC.


Kamil Sor, Ph.D.
President

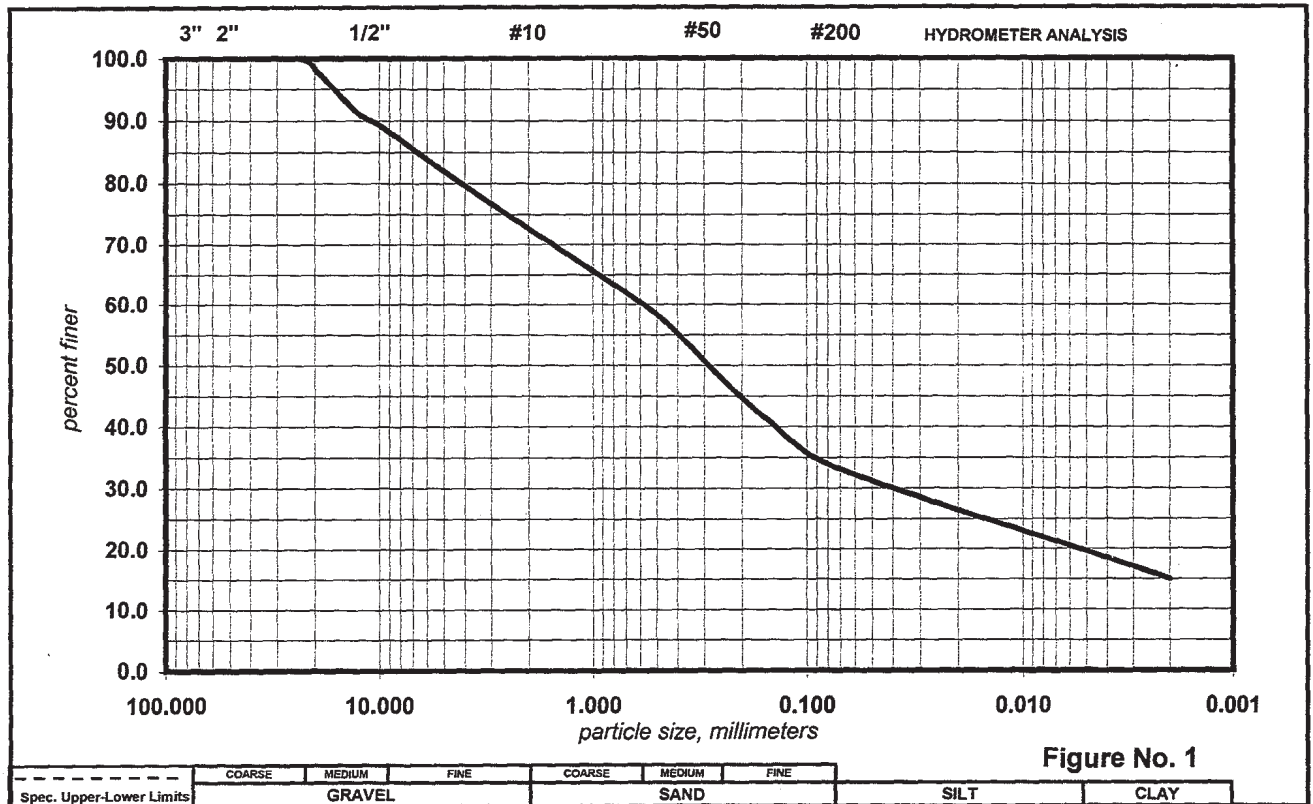
KS/jh

cc: (1) Client, Attn: Drew Flockhart
Fax: 973-831-5808

SOR TESTING LABORATORIES, INC.

98 Sand Park Road - Cedar Grove, NJ 07009
Tel.: (973) 239-6001 Fax: (973) 239-8380 <http://www.sorlabs.com>

PARTICLE SIZE DISTRIBUTION TEST REPORT



Specification*				Sample Identification		
Spec. Upper-Lower Limits	COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE
	GRAVEL			SAND		
				SILT		
				CLAY		
Sieve Size	% Finer	Min.(%)	Max.(%)	Sample Identification		
3" (75 mm)				Sample No.: Contractor's Blend		
2 1/2" (63 mm)				Lab No.: A12-081-01		
2" (50 mm)				Source/Location:		
1 1/2" (38.1 mm)				Description:		
1" (25 mm)	100.0			V.D. Brown of Sand, some Silt & Clay, some mf Gravel		
3/4" (19 mm)	97.5			sample description in accordance with Burmister System		
5/8" (16 mm)				LL :	PL :	PI :
1/2" (12.5 mm)	91.4			As received Moisture Content: %		
3/8" (9.5 mm)	88.8			Classification:		
5/16" (8 mm)				USCS: [SM]		
1/4" (6.3 mm)				AASHTO:		
#4 (4.75 mm)	81.5			Remarks:		
#6 (3.35 mm)				Sample received in lab on April 20, 2012		
#8 (2.36 mm)				Client:		
#10 (2 mm)	72.6			Project:		
#14 (1.4 mm)				Location:		
#16 (1.18 mm)				Date:		
#20 (850 μm)				Job No.:		
#30 (600 μm)	60.2			Report No.: 12-507		
#40 (425 μm)	55.9					
#50 (300 μm)						
#60 (250 μm)	47.9					
#100 (150 μm)	40.9					
#200 (75 μm)	33.4					

Client ID	NY
-----------	----

J B : Compound was found in the blank and sample.
U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-58587-1

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	Comp-1			Comp-2			Comp-3			Comp-4			Comp-5		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-58587-11			460-58587-12			460-58587-13			460-58587-14			460-58587-15		
Sampling Date	Restricted Residential	Commercial	Industrial	06/27/2013 08:40:00			06/27/2013 09:07:00			06/27/2013 09:20:00			06/27/2013 09:43:00			06/27/2013 09:53:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270C-SOIL				Result			Result			Result			Result			Result		
SOIL BY 8270C				Q			Q			Q			Q			Q		
				MDL			MDL			MDL			MDL			MDL		
Acenaphthene	100	500	1000	0.067	U	0.067	0.069	U	0.069	0.070	U	0.070	0.065	U	0.065	0.087	J	0.074
Acenaphthylene	100	500	1000	0.054	U	0.054	0.056	U	0.056	0.057	U	0.057	0.053	U	0.053	0.060	U	0.060
Anthracene	100	500	1000	0.056	U	0.056	0.058	U	0.058	0.059	J	0.058	0.054	U	0.054	0.10	J	0.061
Benzo[a]anthracene	1	5.6	11	0.20		0.0032	0.17		0.0033	0.39		0.0033	0.35		0.0031	0.39		0.0035
Benzo[a]pyrene	1	1	1.1	0.21		0.0032	0.18		0.0034	0.46		0.0034	0.40		0.0032	0.47		0.0036
Benzo[b]fluoranthene	1	5.6	11	0.34		0.0029	0.28		0.0030	0.67		0.0030	0.58		0.0028	0.75		0.0032
Benzo[g,h,i]perylene	100	500	1000	0.27	J	0.034	0.20	J	0.035	0.28	J	0.035	0.25	J	0.033	0.32	J	0.037
Benzo[k]fluoranthene	3.9	56	110	0.13		0.0035	0.10		0.0036	0.31		0.0036	0.24		0.0034	0.24		0.0038
Chrysene	3.9	56	110	0.29	J	0.054	0.26	J	0.055	0.55		0.056	0.47		0.052	0.56		0.059
Dibenz[a,h]anthracene	0.33	0.56	1.1	0.040	J	0.0058	0.031	J	0.0060	0.052		0.0060	0.50		0.0056	0.50		0.0064
Dibenzofuran	59	350	1000	0.054	U	0.054	0.056	U	0.056	0.056	U	0.056	0.052	U	0.052	0.066	J	0.059
Fluoranthene	100	500	1000	0.56		0.061	0.58		0.063	1.1		0.064	0.79		0.080	1.2		0.087
Fluorene	100	500	1000	0.059	J	0.059	0.061	U	0.061	0.061	U	0.061	0.057	U	0.057	0.088	J	0.095
Hexachlorobenzene	1.2	6	12	0.0063	U	0.0063	0.0065	U	0.0065	0.0065	U	0.0065	0.0061	U	0.0061	0.0069	U	0.0069
Indeno[1,2,3-cd]pyrene	0.5	5.6	11	0.25		0.0085	0.20		0.0088	0.36		0.0089	0.36		0.0083	0.36		0.0084
m & p -Cresol	NA	NA	NA	0.078	U	0.078	0.081	U	0.081	0.082	U	0.082	0.076	U	0.076	0.12	J	0.084
Naphthalene	100	500	1000	0.053	U	0.053	0.055	U	0.055	0.055	U	0.055	0.052	U	0.052	0.059	U	0.059
o-Cresol	100	500	1000	0.078	U	0.078	0.081	U	0.081	0.082	U	0.082	0.076	U	0.076	0.086	U	0.086
Pentachlorophenol	6.7	6.7	55	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.13	U	0.13	0.15	U	0.15
Phenanthrene	100	500	1000	0.29	J	0.058	0.22	J	0.061	0.36	J	0.061	0.24	J	0.057	0.55		0.064
Phenol	100	500	1000	0.062	U	0.062	0.064	U	0.064	0.064	U	0.064	0.060	U	0.060	0.068	U	0.068
Pyrene	100	500	1000	0.33	J	0.038	0.27	J	0.040	0.46	J	0.040	0.34	J	0.037	0.51		0.042
Total Conc	NA	NA	NA	2.969			2.491			5.031			4.02			5.861		

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-58587-1

Client ID	NY 375-6.8(b)	Comp-1			Comp-2			Comp-3			Comp-4			Comp-5		
Lab Sample ID	& CP-51 T-1	460-58587-11			460-58587-12			460-58587-13			460-58587-14			460-58587-15		
Sampling Date	Restricted Residential	06/27/2013 08:40:00			06/27/2013 09:07:00			06/27/2013 09:20:00			06/27/2013 09:43:00			06/27/2013 09:53:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	1			1			1			1			1		
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
GCSVOA-8081A-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081A																
4,4'-DDD	13	0.0018	U	0.0018	0.0019	U	0.0019	0.0019	U	0.0019	0.0017	U	0.0017	0.0020	U	0.0020
4,4'-DDE	8.9	0.0018	U	0.0018	0.0019	U	0.0019	0.0019	U	0.0019	0.0017	U	0.0017	0.0020	U	0.0020
4,4'-DDT	7.9	0.0022	U	0.0022	0.0023	U	0.0023	0.0023	U	0.0023	0.0022	U	0.0022	0.0024	U	0.0024
Aldrin	0.097	0.0019	U	0.0019	0.0020	U	0.0020	0.0020	U	0.0020	0.0019	U	0.0019	0.0021	U	0.0021
alpha-BHC	0.48	0.0021	U	0.0021	0.0021	U	0.0021	0.0022	U	0.0022	0.0020	U	0.0020	0.0023	U	0.0023
beta-BHC	0.36	0.0022	U	0.0022	0.0023	U	0.0023	0.0023	U	0.0023	0.0022	U	0.0022	0.0024	U	0.0024
Chlordane (.alpha.)	4.2	0.0018	U	0.0018	0.0019	U	0.0019	0.0019	U	0.0019	0.0017	U	0.0017	0.0020	U	0.0020
delta-BHC	100	0.0017	U	0.0017	0.0017	U	0.0017	0.0017	U	0.0017	0.0016	U	0.0016	0.0018	U	0.0018
Dieldrin	0.2	0.0017	U	0.0017	0.0017	U	0.0017	0.0017	U	0.0017	0.0016	U	0.0016	0.0018	U	0.0018
Endosulfan I	24	0.0021	U	0.0021	0.0021	U	0.0021	0.0022	U	0.0022	0.0020	U	0.0020	0.0023	U	0.0023
Endosulfan II	24	0.0018	U	0.0018	0.0019	U	0.0019	0.0019	U	0.0019	0.0017	U	0.0017	0.0020	U	0.0020
Endosulfan sulfate	24	0.0018	U	0.0018	0.0019	U	0.0019	0.0019	U	0.0019	0.0017	U	0.0017	0.0020	U	0.0020
Endrin	11	0.0022	U	0.0022	0.0023	U	0.0023	0.0023	U	0.0023	0.0022	U	0.0022	0.0024	U	0.0024
Heptachlor	2.1	0.0022	U	0.0022	0.0023	U	0.0023	0.0023	U	0.0023	0.0022	U	0.0022	0.0024	U	0.0024
Lindane	1.3	0.0017	U	0.0017	0.0017	U	0.0017	0.0017	U	0.0017	0.0016	U	0.0016	0.0018	U	0.0018

U : Indicates the analyte was analyzed for but not detected.

X : Surrogate is outside control limits

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-58587-1

Client ID	NY 375-6.8(b)	Comp-1			Comp-2			Comp-3			Comp-4			Comp-5		
Lab Sample ID	& CP-51 T-1	460-58587-11			460-58587-12			460-58587-13			460-58587-14			460-58587-15		
Sampling Date	Restricted Residential	06/27/2013 08:40:00			06/27/2013 09:07:00			06/27/2013 09:20:00			06/27/2013 09:43:00			06/27/2013 09:53:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	1			1			1			1			1		
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
GCSVOA-8082-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082																
Aroclor 1016	NA	0.021	U	0.021	0.022	U	0.022	0.022	U	0.022	0.020	U	0.020	0.023	U	0.023
Aroclor 1221	NA	0.021	U	0.021	0.022	U	0.022	0.022	U	0.022	0.020	U	0.020	0.023	U	0.023
Aroclor 1232	NA	0.021	U	0.021	0.022	U	0.022	0.022	U	0.022	0.020	U	0.020	0.023	U	0.023
Aroclor 1242	NA	0.021	U	0.021	0.022	U	0.022	0.022	U	0.022	0.020	U	0.020	0.023	U	0.023
Aroclor 1248	NA	0.021	U	0.021	0.022	U	0.022	0.022	U	0.022	0.020	U	0.020	0.023	U	0.023
Aroclor 1254	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028	0.026	U	0.026	0.029	U	0.029
Aroclor 1260	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028	0.026	U	0.026	0.029	U	0.029
Aroclor 1262	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028	0.026	U	0.026	0.029	U	0.029
Aroclor 1268	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028	0.026	U	0.026	0.029	U	0.029
Polychlorinated biphenyls, Total	1	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028	0.026	U	0.026	0.029	U	0.029

U : Indicates the analyte was analyzed for but not detected.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-58587-1

Client ID	NY 375-6.8(b) Comp-1			Comp-2			Comp-3			Comp-4			Comp-5			
Lab Sample ID	& CP-51 T-1 460-58587-11			460-58587-12			460-58587-13			460-58587-14			460-58587-15			
Sampling Date	Restricted Residential 06/27/2013 08:40:00			06/27/2013 09:07:00			06/27/2013 09:20:00			06/27/2013 09:43:00			06/27/2013 09:53:00			
Matrix	Soil Cleanup Soil			Soil			Soil			Soil			Soil			
Dilution Factor	Criteria 1			1			1			1			1			
Unit	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			
GCSVOA-8151A-SOIL	Result Q MDL			Result Q MDL			Result Q MDL			Result Q MDL			Result Q MDL			
SOIL BY 8151A																
Silvex (2,4,5-TP)	100	0.0026	U	0.0026	0.0027	U	0.0027	0.0027	U	0.0027	0.0025	U	0.0025	0.0028	U	0.0028

U : Indicates the analyte was analyzed for but not detected.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-58587-1

Client ID	NY 375-6.8(b)	Comp-1		Comp-2		Comp-3		Comp-4		Comp-5						
Lab Sample ID	& CP-51 T-1	460-58587-11		460-58587-12		460-58587-13		460-58587-14		460-58587-15						
Sampling Date	Restricted Residential	06/27/2013 08:40:00		06/27/2013 09:07:00		06/27/2013 09:20:00		06/27/2013 09:43:00		06/27/2013 09:53:00						
Matrix	Soil Cleanup	Soil		Soil		Soil		Soil		Soil						
	Criteria															
Unit	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg						
METALS-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SOIL BY 6010B																
Aluminum	NA	7680		23.1	8910		24.2	10600		21.6	8860		20.0	9290		24.7
Antimony	NA	1.6	U	1.6	1.6	U	1.6	1.5	U	1.5	1.4	U	1.4	1.7	U	1.7
Arsenic	16	5.6		1.2	5.3		1.3	6.9		1.1	5.3		1.0	6.4		1.3
Barium	400	47.9	J	1.4	39.0	J	1.5	45.7	J	1.4	41.2	J	1.3	54.6		1.5
Beryllium	72	0.32	J	0.18	0.41	J	0.19	0.41	J	0.17	0.34	J	0.16	0.42	J	0.20
Cadmium	4.3	0.19	U	0.19	0.20	U	0.20	0.18	U	0.18	0.16	U	0.16	0.20	U	0.20
Calcium	NA	10200		90.1	13000		94.2	12100		84.1	10300		77.6	10100		96.0
Chromium	NA	13.5		1.1	15.3		1.1	15.6		1.0	13.4		0.94	15.6		1.2
Cobalt	NA	6.5	J	1.1	6.8	J	1.1	8.7	J	1.0	6.9	J	0.93	7.4	J	1.2
Copper	270	26.6		2.5	24.5		2.6	28.6		2.3	25.3		2.1	30.0		2.6
Iron	NA	16900		15.4	19200		16.1	22900		14.4	19300		13.3	20200		16.4
Lead	400	28.0		1.1	22.3		1.1	25.9		1.0	22.5		0.94	32.4		1.2
Magnesium	NA	5410		91.6	8800		95.8	6280		85.6	7310		79.0	5890		97.6
Manganese	2000	483		1.1	491		1.2	606		1.0	494		0.97	530		1.2
Nickel	310	16.2		1.1	17.4		1.2	21.0		1.0	18.0		0.97	18.7		1.2
Potassium	NA	2120		136	2510		142	2030		127	1850		117	2420		145
Selenium	180	1.7	U	1.7	1.8	U	1.8	1.6	U	1.6	1.4	U	1.4	1.8	U	1.8
Silver	180	0.25	U	0.25	0.27	U	0.27	0.24	U	0.24	0.22	U	0.22	0.27	U	0.27
Sodium	NA	313	J	201	210	U	210	230	J	188	243	J	173	334	J	214
Thallium	NA	1.4	U	1.4	1.5	U	1.5	1.3	U	1.3	1.2	U	1.2	1.5	U	1.5
Vanadium	NA	13.9		0.98	15.9		1.0	16.5		0.91	14.2		0.84	16.3		1.0
Zinc	10000	85.9		1.4	81.7		1.4	85.2		1.3	79.0		1.2	103		1.5
SOIL BY 7471A																
Mercury	0.81	0.051		0.017	0.042		0.017	0.043		0.016	0.043		0.016	0.061		0.018

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-58587-1

Client ID	NY 375-6.8(b)	Comp-1		Comp-2		Comp-3		Comp-4		Comp-5			
Lab Sample ID	& CP-51 T-1	460-58587-11		460-58587-12		460-58587-13		460-58587-14		460-58587-15			
Sampling Date	Restricted Residential	06/27/2013 08:40:00		06/27/2013 09:07:00		06/27/2013 09:20:00		06/27/2013 09:43:00		06/27/2013 09:53:00			
Matrix	Soil Cleanup	Soil		Soil		Soil		Soil		Soil			
	Criteria												
WETCHEM-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 7196A													
Cr (III) (mg/kg)	180	13.5		2.0	15.3		2.0	15.6		2.0	13.4		2.0
Cr (VI) (mg/kg)	110	0.70	U	0.70	0.69	U	0.69	0.74	U	0.74	0.70	U	0.70
SOIL BY 9012A													
Cyanide, Total (mg/kg)	NA	0.24		0.076	0.20		0.079	0.24		0.080	0.16		0.074
SOIL BY 9045C													
pH (su)	NA	7.77	HF		7.63	HF		7.74	HF		7.83	HF	

HF : Field parameter with a holding time of 15 minutes

U : Indicates the analyte was analyzed for but not detected.

Mastrocola, Krista

From: Rocklin, Jon
Sent: Friday, November 15, 2013 11:13 AM
To: 'Vassell, Allan'; 'Cawley, Tom'
Cc: Bracken, Paul; Mastrocola, Krista
Subject: Ramapo OU-1 Topsoil approval

Topsoil approved by the NYSDEC.

Jon

From: William Bennett [<mailto:wbbennet@gw.dec.state.ny.us>]
Sent: Friday, November 15, 2013 11:11 AM
To: Rocklin, Jon
Subject: Re: FW: Ramapo OU-1 Topsoil Results

Approved.

William B. Bennett III, P.E.
Environmental Engineer 2
Remedial Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7014
Phone: (518) 402-9662
Fax: (518) 402-9679

>>> "Rocklin, Jon" <Jon.Rocklin@arcadis-us.com> 11/15/2013 9:24 AM >>>
Good morning Bill –

Possible to get DEC approval on this today?

Please find attached the analytical data for approximately 400 cubic yards of topsoil to be imported to the Ford Ramapo Paint Sludge Site Operable Unit 1 as part of the IRM Addendum. The topsoil analytical data meets the NYSDEC requirements for Restricted Residential SCOs.

Thank you,
Jon

From: Rocklin, Jon
Sent: Thursday, November 14, 2013 9:37 AM
To: 'William Bennett'
Subject: FW: Ramapo OU-1 Topsoil Results

Bill - Attached for your review/approval is the topsoil submittal for OU-1.

Thank you,
Jon

Jon Rocklin | Project Manager | jon.rocklin@arcadis-us.com
ARCADIS U.S., Inc. | 17-17 Route 208 North, 2nd Floor | Fair Lawn, NJ 07410
Direct: 201.398.4364 | Fax: 201.797.4399 | Cell 914.260.7373
www.arcadis-us.com



From: Mastrocola, Krista
Sent: Thursday, November 14, 2013 9:09 AM
To: Rocklin, Jon
Cc: Bracken, Paul
Subject: Ramapo OU-1 Topsoil Results

Jon,

Please forward the following on to Bill Bennett!

Bill,

Please find attached the analytical data for approximately 400 cubic yards of topsoil to be imported to the Ford Ramapo Paint Sludge Site Operable Unit 1 as part of the IRM Addendum. The topsoil analytical data meets the NYSDEC requirements for Restricted Residential SCOs.

Thanks.

Krista Mastrocola
T: 914.641.2631 | M: 610.755.7080

Please consider the environment before printing this email.

NOTICE: This e-mail and any files transmitted with it are the property of ARCADIS U.S., Inc. and its affiliates. All rights, including without limitation copyright, are reserved. The proprietary information contained in this e-mail message, and any files transmitted with it, is intended for the use of the recipient(s) named above. If the reader of this e-mail is not the intended recipient, you are hereby notified that you have received this e-mail in error and that any review, distribution or copying of this e-mail or any files transmitted with it is strictly prohibited. If you have received this e-mail in error, please notify the sender immediately and delete the original message and any files transmitted. The unauthorized use of this e-mail or any files transmitted with it is prohibited and disclaimed by ARCADIS U.S., Inc. and its affiliates. Nothing herein is intended to constitute the offering or performance of services where otherwise restricted by law.

SOR TESTING LABORATORIES, INC.

Geotechnical Engineering - Materials Testing - Forensic Studies
98 Sand Park Rd., Cedar Grove, NJ 07009
(973) 239-6001 Fax (973) 239-8380

Kamil Sor, Ph.D.
Orhun Sor, P.E.
Yilmaz Arhan, Ph.D.
Kenneth Rowbotham, P.E.
Atilla Sencar, P.E.

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client:	Creamer Environmental, Inc.		
Project:	Ford Paint Sludge Site, Sloatsburg, NY		
Subject:	Laboratory Testing of Topsoil Sample (Source: RER Supply)		
Job No.:	13-298	Report No.:	13-1790A
		Date:	10/24/2013

We present herewith laboratory test results of the topsoil sample received on October 22, 2013. At the request of the client, the soil was tested for physical and chemical properties to determine their suitability for use as topsoil. It should be noted that no environmental testing was performed.

The tests were performed in accordance with the methods recommended in the following publications:

1. Rutgers State University
Cook College & Agriculture
Experiment Station
Publication No. 780
2. Methods of Soil Analysis by
American Society of Agronomy
Parts 1 and 2
Published in 1965
Madison, Wisconsin
3. New Jersey Department of Transportation
Standard Specifications
for Road & Bridge Construction, 2007
4. American Society of Testing and Materials
Latest Edition

TEST RESULTS

Soil Properties	Topsoil
Color	Very Dark Grayish Brown
pH	7.5
Organic Matter, %	10.2
Specific Conductance, micromhos/cm	730
Total Salts, mg/kg	548
Texture: (*) (U.S.D.A. Classification)	Sandy Loam
■ % Sand (2.0 - 0.05 mm)	80.0
■ % Silt (0.05 - 0.002 mm)	13.0
■ % Clay (<0.002 mm)	7.0
Available Nutrients: (lbs. per Acre)	
■ Nitrogen (NH ₄ and NO ₃)	64
■ Phosphorus (P)	150
■ Potassium (K)	174

(*) – Gravel Content (2.0 to 0.05 mm = 15.0%)

-- Atterberg Limits: Non-Plastic

-- As-Received Moisture Content: 9.5%

-- The combination of the sieve and hydrometer results are presented on the attached Figure No. 1.

CONCLUSIONS

1. The topsoil tested is suitable for use as topsoil. Its texture is sandloam which is a preferable texture for water and air permeability and root proliferation.
2. For optimum grass and shrub growth, the following treatments are suggested:
 - Add 0.2 lbs. of Sulfur per 10 square feet area to lower the pH to 6.5.
 - Add 5 lbs. of a urea fertilizer per 1000 square feet area.

Very truly yours,

SOR TESTING LABORATORIES, INC.



Kamil Sor, Ph.D.
President

KS/gs

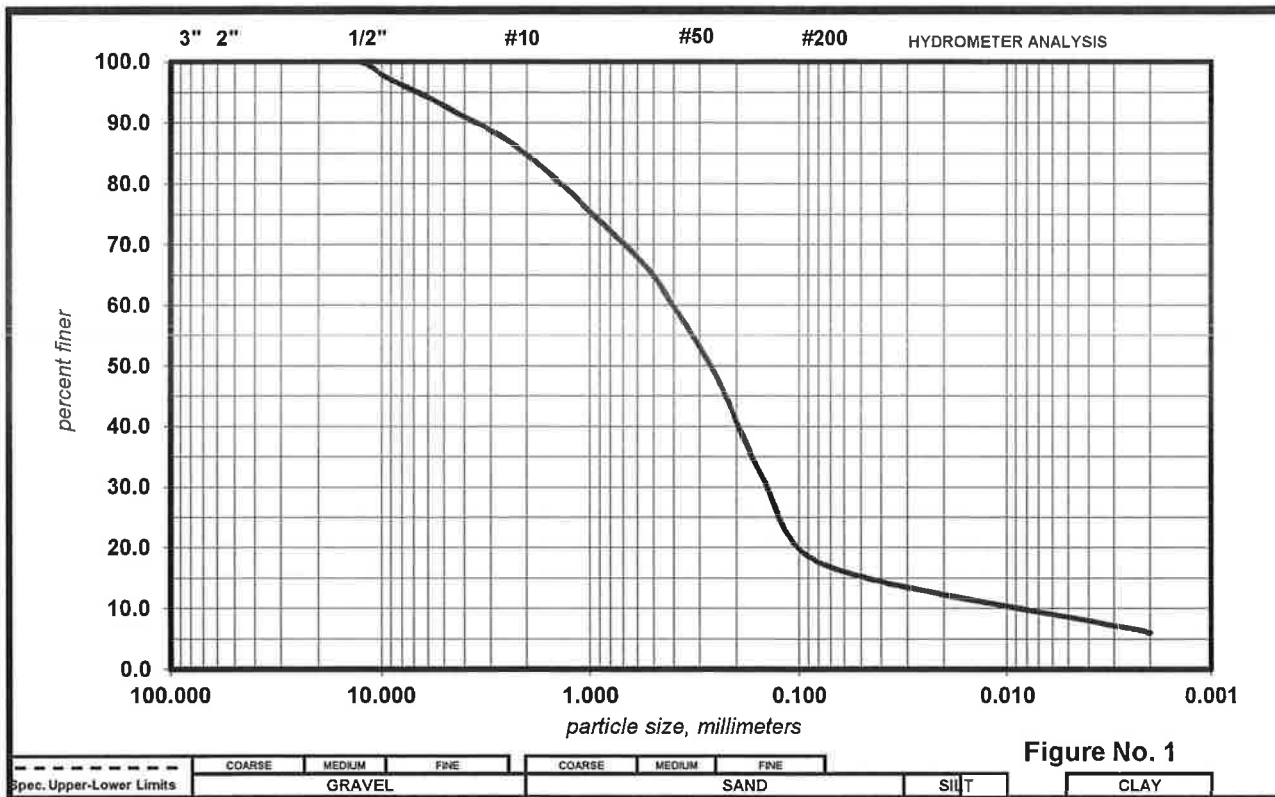
cc: (1) Client, Attn: Allan Vassell (E-Mail: avassell@creamerenvironmental.com)

SOR TESTING LABORATORIES, INC.

98 Sand Park Road - Cedar Grove, NJ 07009

Tel.: (973) 239-6001 Fax: (973) 239-8380 <http://www.sorlabs.com>

PARTICLE SIZE DISTRIBUTION TEST REPORT



Specification*

Sieve Size	% Finer	Min.(%)	Max.(%)	Sample Identification		
3" (75 mm)				Sample No.:	Topsoil	
2 1/2" (63 mm)				Lab No.:	A13-207	
2" (50 mm)				Source/Location:		
1 1/2" (38.1 mm)				Description:	Black of SAND, little Clayey Silt, little mf Gravel	
1" (25 mm)				sample description in accordance with Burmister System		
3/4" (19 mm)				LL :	PL :	PI :
5/8" (16 mm)				As received Moisture Content: %		
1/2" (12.5 mm)	100.0			Classification:		
3/8" (9.5 mm)	97.5			USCS: [SM]		
5/16" (8 mm)				AASHTO:		
1/4" (6.3 mm)				Remarks:		
#4 (4.75 mm)	92.4			Sample received in lab on October 22, 2013		
#6 (3.35 mm)				Client: Creamer Environmental, Inc.		
#8 (2.36 mm)				Project: Ford Paint Sludge Site		
#10 (2 mm)	84.7			Location:		
#14 (1.4 mm)				Date: 23-Oct-13		
#16 (1.18 mm)				Job No.: 13-298		
#20 (850 µm)				Report No.: 13-1790A		
#30 (600 µm)	67.7					
#40 (425 µm)	60.9					
#50 (300 µm)						
#60 (250 µm)	48.2					
#100 (150 µm)	31.3					
#200 (75 µm)	17.1					
* -						

* -



www.aquaprotechlabs.com

1275 BLOOMFIELD AVENUE • BUILDING 6
FAIRFIELD, NEW JERSEY 07004

TEL: 973.227.0422

FAX: 973.227.2813

CHAIN OF CUSTODY

PAGE ____ OF ____

TURN-AROUND TIME

- ☒ APL STANDARD 2 weeks
☐ RUSH (choose one below)
☐ 24 hr. date & time required
☐ 48 hr. date & time required
☐ 72 hr. date & time required
☐ 1 week

REPORT FORMAT

- ☒ RESULTS ONLY
☐ NJ DEP REDUCED
☐ NJ DEP FULL
☐ STATE FORMS/E2 REPORTING

ELECTRONIC FORMAT

- ☐ EMAIL DELIVERY
☐ HAZSITE EDD
☐ EXCEL
 SRP# _____

PWSID# _____

CONTAMINATION LEVEL

☐ HIGH ☐ MEDIUM ☐ LOW

CLIENT: CREMER ENVIRONMENTAL	SEND REPORT TO: CREMER ENVIRONMENTAL
ADDRESS: 215 UNION ST	ADDRESS: 215 UNION STREET
HACKENSACK NJ 07601	07601
PHONE: 201 963 3300	PHONE: 201 963-3300
E-MAIL: AVASSELL@CREMERENVIRONMENTAL.COM	FAX: 201 963 3301
PROJECT NAME: RORO PAINT SLUDGE SITE	SEND INVOICE TO: SAME AS ABOVE
PROJECT MGR: T. CANLEY	ADDRESS: _____
PROJECT or PO #: 13-5424	SAMPLED BY: ALLAN VASSELL

MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type		M A T R I X	No. of Bottles	Preservative	Analysis Requested
				G R A B	C O M P				
3100701									
COMP-001-01	COMP-001	10/24/13			✓	S	1		TCL PESTICIDES, PCB, TAL METALS, TCL SVOC, EMERGENCIES
-02	COMP-002	10/24/13			✓	S	1		TCL PESTICIDES, PCB, TAL METALS, TCL SVOCs, EMERGENCIES
-03	GRAB -001	10/24/13		✓		S	3		VOCs - DER 10 - RESTRICTED USE
-04	GRAB -002	10/22/13		✓		S	3		VOCs
-05	GRAB -003	10/24/13		✓		S	3		VOCs
-06	GRAB -004	10/24/13		✓		S	3		VOCs

RELINQUISHED BY (Print)

Signature

DATE 10/24/13

Time 2:33

RECEIVED BY (Print)

Signature

RELINQUISHED BY (Print)

Signature

DATE

Time

RECEIVED BY (Print)

Signature

RELINQUISHED BY (Print)

Signature

DATE

Time

RECEIVED BY (Print)

Signature

COMMENTS/SPECIAL INSTRUCTIONS

 COMPARE ALL RESULTS
 TO DER 10 RESTRICTED RESIDENTIAL
 USE

Cooler Temp. upon receipt at lab

4.0

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 3100701

Creamer Environmental

Project: Ford Paint Sludge Site

A handwritten signature in black ink, appearing to read "Brian Wood".

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or
State specific certifications as applicable.

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
--------------------	--------	----------	----------	--------	------	-----	----	-------

3100701-01 (Soil) Comp-001 Collected: 10/22/13 0:00

General Chemistry

Percent Solids	Gravimetric	10/23/13 9:30	10/23/13 9:30	69.7				%
Redox Potential	SM 2580 (mod)	10/22/13 14:00	10/22/13 14:00	89.0				mV
Chromium, Hexavalent	SW 846 7196A	10/24/13 9:00	10/24/13 9:00	ND			5.74	mg/kg dry
Cyanide	SW 846 9010B	10/25/13 9:00	10/25/13 9:00	ND			0.359	mg/kg dry
pH	SW 9040B	10/22/13 14:30	10/22/13 14:30	7.70			0.0100	pH Units

3100701-01 (Soil) Comp-001 Collected: 10/22/13 0:00

Total Metals

Chromium Trivalent	[CALC]	10/31/13 11:51	11/1/13 12:11	11.6			5.74	mg/kg dry
Aluminum	SW 846 6010B	10/31/13 11:51	11/1/13 12:10	9390			3.59	mg/kg dry
Antimony	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	ND			0.717	mg/kg dry
Arsenic	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	6.48			0.287	mg/kg dry
Barium	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	44.2			0.717	mg/kg dry
Beryllium	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	ND			0.0430	mg/kg dry
Cadmium	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	ND			0.0717	mg/kg dry
Calcium	SW 846 6010B	10/31/13 11:51	11/1/13 12:10	20800			35.9	mg/kg dry
Chromium	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	11.6			0.359	mg/kg dry
Cobalt	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	6.50			0.287	mg/kg dry
Copper	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	28.5			0.359	mg/kg dry
Iron	SW 846 6010B	10/31/13 11:51	11/1/13 12:10	18600			1.79	mg/kg dry
Lead	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	23.6			0.359	mg/kg dry
Magnesium	SW 846 6010B	10/31/13 11:51	11/1/13 12:10	13300			71.7	mg/kg dry
Manganese	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	412			0.359	mg/kg dry
Nickel	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	14.4			0.187	mg/kg dry
Potassium	SW 846 6010B	10/31/13 11:51	11/1/13 12:10	2520			143	mg/kg dry
Selenium	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	0.975			0.904	mg/kg dry
Silver	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	ND			0.717	mg/kg dry
Sodium	SW 846 6010B	10/31/13 11:51	11/1/13 12:10	281			71.7	mg/kg dry
Thallium	SW 846 6010B	10/31/13 11:51	11/1/13 12:12	ND			0.717	mg/kg dry
Vanadium	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	18.5			0.717	mg/kg dry
Zinc	SW 846 6010B	10/31/13 11:51	11/1/13 12:11	66.1			1.08	mg/kg dry
Mercury	SW 846 7471A	10/23/13 0:00	10/23/13 12:44	0.0612			0.0298	mg/kg dry

3100701-01 (Soil) Comp-001 Collected: 10/22/13 0:00

BNA+25 Semivolatile Organics - GC/MS

2-Methylphenol	SW 846 8270C	10/24/13 11:31	11/3/13 1:23	ND	U	733	1910	ug/kg dry
3+4-Methylphenol	SW 846 8270C	10/24/13 11:31	11/3/13 1:23	ND	U	824	1910	ug/kg dry
Acenaphthene	SW 846 8270C	10/24/13 11:31	11/3/13 1:23	ND	U	856	1910	

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
3100701-01 (Soil)		Comp-001		Collected:		10/22/13	0:00	

BNA+25 Semivolatile Organics - GC/MS

Acenaphthylene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	908	1910	ug/kg dry
Anthracene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	992	1910	ug/kg dry
Benzo(a)anthracene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	901	1910	ug/kg dry
Benzo(a)pyrene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	993	1910	ug/kg dry
Benzo(b)fluoranthene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	928	1910	ug/kg dry
Benzo(g,h,i)perylene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	972	1910	ug/kg dry
Benzo(k)fluoranthene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	1300	1910	ug/kg dry
Chrysene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	952	1910	ug/kg dry
Dibenzo(a,h)anthracene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	968	1910	ug/kg dry
Dibenzofuran	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	900	1910	ug/kg dry
Fluoranthene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	1000	1910	ug/kg dry
Fluorene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	959	1910	ug/kg dry
Hexachlorobenzene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	914	1910	ug/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	935	1910	ug/kg dry
Naphthalene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	691	1910	ug/kg dry
Pentachlorophenol	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	565	3830	ug/kg dry
Phenanthrene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	953	1910	ug/kg dry
Phenol	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	681	1910	ug/kg dry
Pyrene	SW 846 8270C	10/24/13	11:31	11/3/13	1:23	ND	U	899	1910	ug/kg dry

3100701-01 (Soil)

Comp-001

Collected: 10/22/13 0:00

Pesticides Pesticides

4,4'-DDD	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
4,4'-DDE	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
4,4'-DDT	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	2.68		1.43	1.87	ug/kg dry
Aldrin	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
alpha-BHC	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	2.49		1.43	1.87	ug/kg dry
beta-BHC	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Chlordane	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	12.5		1.43	1.87	ug/kg dry
delta-BHC	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Dieldrin	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Endosulfan I	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Endosulfan II	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Endosulfan sulfate	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Endrin	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Endrin aldehyde	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Endrin ketone	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
gamma-BHC (Lindane)	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Heptachlor	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Heptachlor Epoxide	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Methoxychlor	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	1.43	1.87	ug/kg dry
Toxaphene	SW 846 8081A	10/29/13	13:22	10/31/13	22:16	ND	U	29.0	45.9	ug/kg dry

3100701-01 (Soil)

Comp-001

Collected: 10/22/13 0:00

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
--------------------	--------	----------	----------	--------	------	-----	----	-------

3100701-01 (Soil)

Comp-001

Collected: 10/22/13 0:00

Herbicides Herbicides

2,4,5-T	SW 846 8151A	10/25/13	12:06	11/5/13	10:21	ND		143	ug/kg dry
2,4,5-TP (Silvex)	SW 846 8151A	10/25/13	12:06	11/5/13	10:21	ND		143	ug/kg dry
2,4-D	SW 846 8151A	10/25/13	12:06	11/5/13	10:21	ND		143	ug/kg dry

3100701-01 (Soil)

Comp-001

Collected: 10/22/13 0:00

PCBs Aroclors

Aroclor-1016	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	8.02	47.3	ug/kg dry
Aroclor-1221	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	14.8	47.3	ug/kg dry
Aroclor-1232	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	12.1	47.3	ug/kg dry
Aroclor-1242	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	11.0	47.3	ug/kg dry
Aroclor-1248	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	6.79	47.3	ug/kg dry
Aroclor-1254	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	17.3	47.3	ug/kg dry
Aroclor-1260	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	7.29	47.3	ug/kg dry
Aroclor-1262	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	3.80	47.3	ug/kg dry
Aroclor-1268	SW 846 8082	10/29/13	13:18	10/30/13	17:56	ND	U	4.84	47.3	ug/kg dry

3100701-02 (Soil)

Comp-002

Collected: 10/22/13 0:00

General Chemistry

Percent Solids	Gravimetric	10/23/13	9:30	10/23/13	9:30	70.9				%
Redox Potential	SM 2580 (mod)	10/22/13	14:00	10/22/13	14:00	81.0				mV
Chromium, Hexavalent	SW 846 7196A	10/24/13	9:00	10/24/13	9:00	ND			5.64	mg/kg dry
Cyanide	SW 846 9010B	10/25/13	9:00	10/25/13	9:00	ND			0.353	mg/kg dry
pH	SW 9040B	10/22/13	14:30	10/22/13	14:30	7.70			0.0100	pH Units

3100701-02 (Soil)

Comp-002

Collected: 10/22/13 0:00

Total Metals

Chromium Trivalent	[CALC]	10/31/13	11:51	11/1/13	12:15	11.3			5.64	mg/kg dry
Aluminum	SW 846 6010B	10/31/13	11:51	11/1/13	12:14	8990			3.53	mg/kg dry
Antimony	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	ND			0.705	mg/kg dry
Arsenic	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	3.86			0.282	mg/kg dry
Barium	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	43.0			0.705	mg/kg dry
Beryllium	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	0.148			0.0423	mg/kg dry
Cadmium	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	ND			0.0705	mg/kg dry
Calcium	SW 846 6010B	10/31/13	11:51	11/1/13	12:14	21400			35.3	mg/kg dry
Chromium	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	11.3			0.353	mg/kg dry
Cobalt	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	6.21			0.282	mg/kg dry
Copper	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	23.9			0.353	mg/kg dry
Iron	SW 846 6010B	10/31/13	11:51	11/1/13	12:14	17800			1.76	mg/kg dry
Lead	SW 846 6010B	10/31/13	11:51	11/1/13	12:15	24.9			0.353	mg/kg dry
Magnesium	SW 846 6010B	10/31/13	11:51	11/1/13	12:14	13400			70.5	mg/kg dry

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
--------------------	--------	----------	----------	--------	------	-----	----	-------

3100701-02 (Soil)

Comp-002

Collected: 10/22/13 0:00

Total Metals

Manganese	SW 846 6010B	10/31/13 11:51	11/1/13 12:15	408			0.353	mg/kg dry
Nickel	SW 846 6010B	10/31/13 11:51	11/1/13 12:15	13.7			0.183	mg/kg dry
Potassium	SW 846 6010B	10/31/13 11:51	11/1/13 12:14	2250			141	mg/kg dry
Selenium	SW 846 6010B	10/31/13 11:51	11/1/13 12:15	ND			0.889	mg/kg dry
Silver	SW 846 6010B	10/31/13 11:51	11/1/13 12:15	ND			0.705	mg/kg dry
Sodium	SW 846 6010B	10/31/13 11:51	11/1/13 12:14	235			70.5	mg/kg dry
Thallium	SW 846 6010B	10/31/13 11:51	11/1/13 12:15	ND			0.705	mg/kg dry
Vanadium	SW 846 6010B	10/31/13 11:51	11/1/13 12:15	16.8			0.705	mg/kg dry
Zinc	SW 846 6010B	10/31/13 11:51	11/1/13 12:15	64.1			1.06	mg/kg dry
Mercury	SW 846 7471A	10/23/13 0:00	10/23/13 12:48	0.0532			0.0293	mg/kg dry

3100701-02 (Soil)

Comp-002

Collected: 10/22/13 0:00

BNA+25 Semivolatile Organics - GC/MS

2-Methylphenol	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	721	1880	ug/kg dry
3+4-Methylphenol	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	810	1880	ug/kg dry
Acenaphthene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	841	1880	ug/kg dry
Acenaphthylene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	892	1880	ug/kg dry
Anthracene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	975	1880	ug/kg dry
Benzo(a)anthracene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	885	1880	ug/kg dry
Benzo(a)pyrene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	976	1880	ug/kg dry
Benzo(b)fluoranthene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	912	1880	ug/kg dry
Benzo(g,h,i)perylene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	956	1880	ug/kg dry
Benzo(k)fluoranthene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	1270	1880	ug/kg dry
Chrysene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	936	1880	ug/kg dry
Dibenzo(a,h)anthracene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	952	1880	ug/kg dry
Dibenzofuran	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	885	1880	ug/kg dry
Fluoranthene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	986	1880	ug/kg dry
Fluorene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	943	1880	ug/kg dry
Hexachlorobenzene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	898	1880	ug/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	919	1880	ug/kg dry
Naphthalene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	679	1880	ug/kg dry
Pentachlorophenol	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	555	3760	ug/kg dry
Phenanthrene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	937	1880	ug/kg dry
Phenol	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	670	1880	ug/kg dry
Pyrene	SW 846 8270C	10/24/13 11:31	11/3/13 2:01	ND	U	884	1880	ug/kg dry

3100701-02 (Soil)

Comp-002

Collected: 10/22/13 0:00

Pesticides Pesticides

4,4'-DDD	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
4,4'-DDE	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
4,4'-DDT	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	2.63		1.41	1.83	ug/kg dry
Aldrin	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
alpha-BHC	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	2.44		1.41	1.83	ug/kg dry

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
3100701-02 (Soil)		Comp-002				Collected: 10/22/13 0:00		

Pesticides Pesticides

beta-BHC	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Chlordane	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	9.61		1.41	1.83	ug/kg dry
delta-BHC	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Dieldrin	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Endosulfan I	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Endosulfan II	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Endosulfan sulfate	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Endrin	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Endrin aldehyde	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Endrin ketone	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
gamma-BHC (Lindane)	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Heptachlor	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Heptachlor Epoxide	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Methoxychlor	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	1.41	1.83	ug/kg dry
Toxaphene	SW 846 8081A	10/29/13 13:22	10/31/13 22:41	ND	U	28.5	45.1	ug/kg dry

3100701-02 (Soil)

Comp-002

Collected: 10/22/13 0:00

Herbicides Herbicides

2,4,5-T	SW 846 8151A	10/25/13 12:06	11/5/13 10:46	ND			141	ug/kg dry
2,4,5-TP (Silvex)	SW 846 8151A	10/25/13 12:06	11/5/13 10:46	ND			141	ug/kg dry
2,4-D	SW 846 8151A	10/25/13 12:06	11/5/13 10:46	ND			141	ug/kg dry

3100701-02 (Soil)

Comp-002

Collected: 10/22/13 0:00

PCBs Aroclors

Aroclor-1016	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	7.88	46.5	ug/kg dry
Aroclor-1221	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	14.5	46.5	ug/kg dry
Aroclor-1232	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	11.9	46.5	ug/kg dry
Aroclor-1242	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	10.9	46.5	ug/kg dry
Aroclor-1248	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	6.67	46.5	ug/kg dry
Aroclor-1254	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	17.0	46.5	ug/kg dry
Aroclor-1260	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	7.16	46.5	ug/kg dry
Aroclor-1262	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	3.74	46.5	ug/kg dry
Aroclor-1268	SW 846 8082	10/29/13 13:18	10/30/13 18:21	ND	U	4.75	46.5	ug/kg dry

3100701-03 (Soil)

Grab-001

Collected: 10/22/13 0:00

General Chemistry

Percent Solids	Gravimetric	10/23/13 9:30	10/23/13 9:30	69.5				%
----------------	-------------	---------------	---------------	------	--	--	--	---

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
3100701-03 (Soil)		Grab-001		Collected: 10/22/13 0:00				
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	3.37	12.8	ug/kg dry
1,1-Dichloroethane	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.85	12.8	ug/kg dry
1,1-Dichloroethene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	2.18	12.8	ug/kg dry
1,2,4-Trimethylbenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.231	12.8	ug/kg dry
1,2-Dichlorobenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.13	12.8	ug/kg dry
1,2-Dichloroethane	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.64	12.8	ug/kg dry
1,3,5-Trimethylbenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.668	12.8	ug/kg dry
1,3-Dichlorobenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.88	12.8	ug/kg dry
1,4-Dichlorobenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.36	12.8	ug/kg dry
2-Butanone	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	10.7	12.8	ug/kg dry
Acetone	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	8.74	103	ug/kg dry
Benzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.72	12.8	ug/kg dry
Carbon Tetrachloride	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	2.29	12.8	ug/kg dry
Chlorobenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.797	12.8	ug/kg dry
Chloroform	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	3.11	12.8	ug/kg dry
cis-1,2-Dichloroethene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.90	12.8	ug/kg dry
EthylBenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.719	12.8	ug/kg dry
m+p-Xylenes	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	1.95	J	1.82	25.7	ug/kg dry
Methyl tert-Butyl Ether	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	5.19	J	2.00	12.8	ug/kg dry
Methylene Chloride	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	7.40	103	ug/kg dry
n-Butylbenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.771	12.8	ug/kg dry
n-Propylbenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.719	12.8	ug/kg dry
o-Xylene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.617	12.8	ug/kg dry
p-Dioxane	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	221	1030	ug/kg dry
sec-Butylbenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.797	12.8	ug/kg dry
tert-Butylbenzene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.03	12.8	ug/kg dry
Tetrachloroethene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.488	12.8	ug/kg dry
Toluene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.462	12.8	ug/kg dry
Total Xylenes	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	1.95	J	0.617	12.8	ug/kg dry
trans-1,2-Dichloroethene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.80	12.8	ug/kg dry
Trichloroethene	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	0.719	12.8	ug/kg dry
Vinyl chloride	SW 846 8260B	10/23/13 14:22	10/23/13 14:22	ND	U	1.39	12.8	ug/kg dry

3100701-04 (Soil)

Grab-002

Collected: 10/22/13 0:00

General Chemistry

Percent Solids	Gravimetric	10/23/13 9:30	10/23/13 9:30	70.1		%
-----------------------	-------------	---------------	---------------	-------------	--	---

3100701-04 (Soil)

Grab-002

Collected: 10/22/13 0:00

VO+15 Volatile Organics - GC/MS

1,1,1-Trichloroethane	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	3.22	12.3	ug/kg dry
1,1-Dichloroethane	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.77	12.3	ug/kg dry
1,1-Dichloroethene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	2.09	12.3	ug/kg dry

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
3100701-04 (Soil)		Grab-002				Collected: 10/22/13 0:00		

VO+15 Volatile Organics - GC/MS

1,2,4-Trimethylbenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.221	12.3	ug/kg dry
1,2-Dichlorobenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.08	12.3	ug/kg dry
1,2-Dichloroethane	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.57	12.3	ug/kg dry
1,3,5-Trimethylbenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.639	12.3	ug/kg dry
1,3-Dichlorobenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.80	12.3	ug/kg dry
1,4-Dichlorobenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.30	12.3	ug/kg dry
2-Butanone	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	10.2	12.3	ug/kg dry
Acetone	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	8.36	98.4	ug/kg dry
Benzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.65	12.3	ug/kg dry
Carbon Tetrachloride	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	2.19	12.3	ug/kg dry
Chlorobenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.762	12.3	ug/kg dry
Chloroform	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	2.98	12.3	ug/kg dry
cis-1,2-Dichloroethene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.82	12.3	ug/kg dry
EthylBenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.689	12.3	ug/kg dry
m+p-Xylenes	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	2.21	J	1.75	24.6	ug/kg dry
Methyl tert-Butyl Ether	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	4.87	J	1.92	12.3	ug/kg dry
Methylene Chloride	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	7.08	98.4	ug/kg dry
n-Butylbenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.738	12.3	ug/kg dry
n-Propylbenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.689	12.3	ug/kg dry
o-Xylene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.590	12.3	ug/kg dry
p-Dioxane	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	212	984	ug/kg dry
sec-Butylbenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.762	12.3	ug/kg dry
tert-Butylbenzene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.984	12.3	ug/kg dry
Tetrachloroethene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.467	12.3	ug/kg dry
Toluene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	1.84	J	0.443	12.3	ug/kg dry
Total Xylenes	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	2.21	J	0.590	12.3	ug/kg dry
trans-1,2-Dichloroethene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.72	12.3	ug/kg dry
Trichloroethene	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	0.689	12.3	ug/kg dry
Vinyl chloride	SW 846 8260B	10/23/13 14:52	10/23/13 14:52	ND	U	1.33	12.3	ug/kg dry

3100701-05 (Soil)

Grab-003

Collected: 10/22/13 0:00

General Chemistry

Percent Solids	Gravimetric	10/23/13 9:30	10/23/13 9:30	70.8		%
-----------------------	-------------	---------------	---------------	-------------	--	---

3100701-05 (Soil)

Grab-003

Collected: 10/22/13 0:00

VO+15 Volatile Organics - GC/MS

1,1,1-Trichloroethane	SW 846 8260B	10/23/13 0:52	10/23/13 0:52	ND	U	2.50	9.54	ug/kg dry
1,1-Dichloroethane	SW 846 8260B	10/23/13 0:52	10/23/13 0:52	ND	U	1.37	9.54	ug/kg dry
1,1-Dichloroethene	SW 846 8260B	10/23/13 0:52	10/23/13 0:52	ND	U	1.62	9.54	ug/kg dry
1,2,4-Trimethylbenzene	SW 846 8260B	10/23/13 0:52	10/23/13 0:52	ND	U	0.172	9.54	ug/kg dry
1,2-Dichlorobenzene	SW 846 8260B	10/23/13 0:52	10/23/13 0:52	ND	U	0.840	9.54	ug/kg dry
1,2-Dichloroethane	SW 846 8260B	10/23/13 0:52	10/23/13 0:52	ND	U	1.22	9.54	ug/kg dry

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
3100701-05 (Soil)		Grab-003		Collected:		10/22/13	0:00	

VO+15 Volatile Organics - GC/MS

1,3,5-Trimethylbenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.496	9.54	ug/kg dry
1,3-Dichlorobenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	1.39	9.54	ug/kg dry
1,4-Dichlorobenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	1.01	9.54	ug/kg dry
2-Butanone	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	7.94	9.54	ug/kg dry
Acetone	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	6.49	76.3	ug/kg dry
Benzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	1.28	9.54	ug/kg dry
Carbon Tetrachloride	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	1.70	9.54	ug/kg dry
Chlorobenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.592	9.54	ug/kg dry
Chloroform	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	2.31	9.54	ug/kg dry
cis-1,2-Dichloroethene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	1.41	9.54	ug/kg dry
EthylBenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	1.66	J	0.534	9.54	ug/kg dry
m+p-Xylenes	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	6.55	J	1.36	19.1	ug/kg dry
Methyl tert-Butyl Ether	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	4.12	J	1.49	9.54	ug/kg dry
Methylene Chloride	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	5.50	76.3	ug/kg dry
n-Butylbenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.573	9.54	ug/kg dry
n-Propylbenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.534	9.54	ug/kg dry
o-Xylene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	1.91	J	0.458	9.54	ug/kg dry
p-Dioxane	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	164	763	ug/kg dry
sec-Butylbenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.592	9.54	ug/kg dry
tert-Butylbenzene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.763	9.54	ug/kg dry
Tetrachloroethene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.363	9.54	ug/kg dry
Toluene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	4.08	J	0.344	9.54	ug/kg dry
Total Xylenes	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	8.46	J	0.458	9.54	ug/kg dry
trans-1,2-Dichloroethene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	1.34	9.54	ug/kg dry
Trichloroethene	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	0.534	9.54	ug/kg dry
Vinyl chloride	SW 846 8260B	10/23/13	0:52	10/23/13	0:52	ND	U	1.03	9.54	ug/kg dry

3100701-06 (Soil)

Grab-004

Collected: 10/22/13 0:00

General Chemistry

Percent Solids	Gravimetric	10/23/13	9:30	10/23/13	9:30	70.2				%
-----------------------	-------------	----------	------	----------	------	-------------	--	--	--	---

3100701-06 (Soil)

Grab-004

Collected: 10/22/13 0:00

VO+15 Volatile Organics - GC/MS

1,1,1-Trichloroethane	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	3.22	12.3	ug/kg dry
1,1-Dichloroethane	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	1.77	12.3	ug/kg dry
1,1-Dichloroethene	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	2.09	12.3	ug/kg dry
1,2,4-Trimethylbenzene	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	0.221	12.3	ug/kg dry
1,2-Dichlorobenzene	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	1.08	12.3	ug/kg dry
1,2-Dichloroethane	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	1.57	12.3	ug/kg dry
1,3,5-Trimethylbenzene	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	0.639	12.3	ug/kg dry
1,3-Dichlorobenzene	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	1.79	12.3	ug/kg dry
1,4-Dichlorobenzene	SW 846 8260B	10/23/13	1:23	10/23/13	1:23	ND	U	1.30	12.3	ug/kg dry

Analytical Results Summary

Ford Paint Sludge Site

Client: Creamer Environmental

Contact: Tom Cowley

APL Order ID: 3100701

Received: 10/22/13 12:30

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
3100701-06 (Soil)		Grab-004		Collected:		10/22/13	0:00	
VO+15 Volatile Organics - GC/MS								
2-Butanone	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	10.2	12.3	ug/kg dry
Acetone	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	8.35	98.2	ug/kg dry
Benzene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	1.65	12.3	ug/kg dry
Carbon Tetrachloride	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	2.19	12.3	ug/kg dry
Chlorobenzene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	0.761	12.3	ug/kg dry
Chloroform	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	2.97	12.3	ug/kg dry
cis-1,2-Dichloroethene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	1.82	12.3	ug/kg dry
EthylBenzene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	1.38	J	0.688	12.3	ug/kg dry
m+p-Xylenes	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	6.04	J	1.74	24.6	ug/kg dry
Methyl tert-Butyl Ether	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	4.91	J	1.92	12.3	ug/kg dry
Methylene Chloride	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	7.07	98.2	ug/kg dry
n-Butylbenzene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	0.737	12.3	ug/kg dry
n-Propylbenzene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	0.688	12.3	ug/kg dry
o-Xylene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	1.60	J	0.589	12.3	ug/kg dry
p-Dioxane	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	211	982	ug/kg dry
sec-Butylbenzene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	0.761	12.3	ug/kg dry
tert-Butylbenzene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	0.982	12.3	ug/kg dry
Tetrachloroethene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	0.467	12.3	ug/kg dry
Toluene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	3.83	J	0.442	12.3	ug/kg dry
Total Xylenes	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	7.64	J	0.589	12.3	ug/kg dry
trans-1,2-Dichloroethene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	1.72	12.3	ug/kg dry
Trichloroethene	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	0.688	12.3	ug/kg dry
Vinyl chloride	SW 846 8260B	10/23/13	1:23 10/23/13 1:23	ND	U	1.33	12.3	ug/kg dry

ND - Indicates compound analyzed for but not detected
J - Indicates estimated value
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

3100701

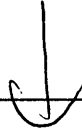
Appendix 5
Allowable Constituent Levels for Imported Fill or Soil
Subdivision 5.4(e)

Source: This table is derived from soil cleanup objective (SCO) tables in 6 NYCRR 375. Table 375-6.8(a) is the source for unrestricted use and Table 375-6.8(b) is the source for restricted use.

Note: For constituents not included in this table, refer to the contaminant for supplemental soil cleanup objectives (SSCOs) in the Commissioner Policy on Soil Cleanup Guidance. If an SSCO is not provided for a constituent, contact the DER PM to determine a site-specific level.

Constituent	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial or Industrial Use	If Ecological Resources are Present
Metals					
Arsenic	13	16	16	16	13
Barium	350	350	400	400	433
Beryllium	7.2	14	47	47	10
Cadmium	2.5	2.5	4.3	7.5	4
Chromium, Hexavalent ¹	1 ³	19	19	19	1 ³
Chromium, Trivalent ¹	30	36	180	1500	41
Copper	50	270	270	270	50
Cyanide	27	27	27	27	NS
Lead	63	400	400	450	63
Manganese	1600	2000	2000	2000	1600
Mercury (total)	0.18	0.73	0.73	0.73	0.18
Nickel	30	130	130	130	30
Selenium	3.9	4	4	4	3.9
Silver	2	8.3	8.3	8.3	2
Zinc	109	2200	2480	2480	109
PCBs/Pesticides					
2,4,5-TP Acid (Silvex)	3.8	3.8	3.8	3.8	NS
4,4'-DDE	0.0033 ³	1.8	8.9	17	0.0033 ³
4,4'-DDT	0.0033 ³	1.7	7.9	47	0.0033 ³
4,4'-DDD	0.0033 ³	2.6	13	14	0.0033 ³
Aldrin	0.005	0.019	0.097	0.19	0.14
Alpha-BHC	0.02	0.02	0.02	0.02	0.04 ⁴
Beta-BHC	0.036	0.072	0.09	0.09	0.6
Chlordane (alpha)	0.094	0.91	2.9	2.9	1.3
Delta-BHC	0.04	0.25	0.25	0.25	0.04 ⁴
Dibenzofuran	7	14	59	210	NS
Dieldrin	0.005	0.039	0.1	0.1	0.006
Endosulfan I	2.4 ²	4.8	24	102	NS
Endosulfan II	2.4 ²	4.8	24	102	NS
Endosulfan sulfate	2.4 ²	4.8	24	200	NS
Endrin	0.014	0.06	0.06	0.06	0.014
Heptachlor	0.042	0.38	0.38	0.38	0.14
Lindane	0.1	0.1	0.1	0.1	6
Polychlorinated biphenyls	0.1	1	1	1	1

Constituent	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial or Industrial Use	If Ecological Resources are Present
Semi-volatile Organic Compounds					
Acenaphthene	20	98	98	98	20
Acenaphthylene	100	100	100	107	NS
Anthracene	100	100	100	500	NS
Benzo(a)anthracene	1	1	1	1	NS
Benzo(a)pyrene	1	1	1	1	2.6
Benzo(b)fluoranthene	1	1	1	1.7	NS
Benzo(g,h,i)perylene	100	100	100	500	NS
Benzo(k)fluoranthene	0.8	1	1.7	1.7	NS
Chrysene	1	1	1	1	NS
Dibenz(a,h)anthracene	0.33 ³	0.33 ³	0.33 ³	0.56	NS
Fluoranthene	100	100	100	500	NS
Fluorene	30	100	100	386	30
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	NS
m-Cresol(s)	0.33 ³	0.33 ³	0.33 ³	0.33 ³	NS
Naphthalene	12	12	12	12	NS
o-Cresol(s)	0.33 ³	0.33 ³	0.33 ³	0.33 ³	NS
p-Cresol(s)	0.33	0.33	0.33	0.33	NS
Pentachlorophenol	0.8 ³	0.8 ³	0.8 ³	0.8 ³	0.8 ³
Phenanthrene	100	100	100	500	NS
Phenol	0.33 ³	0.33 ³	0.33 ³	0.33 ³	30
Pyrene	100	100	100	500	NS
Volatile Organic Compounds					
1,1,1-Trichloroethane	0.68	0.68	0.68	0.68	NS
1,1-Dichloroethane	0.27	0.27	0.27	0.27	NS
1,1-Dichloroethene	0.33	0.33	0.33	0.33	NS
1,2-Dichlorobenzene	1.1	1.1	1.1	1.1	NS
1,2-Dichloroethane	0.02	0.02	0.02	0.02	10
1,2-Dichloroethene(cis)	0.25	0.25	0.25	0.25	NS
1,2-Dichloroethene(trans)	0.19	0.19	0.19	0.19	NS
1,3-Dichlorobenzene	2.4	2.4	2.4	2.4	NS
1,4-Dichlorobenzene	1.8	1.8	1.8	1.8	20
1,4-Dioxane	0.1 ³	0.1 ³	0.1 ³	0.1 ³	0.1
Acetone	0.05	0.05	0.05	0.05	2.2
Benzene	0.06	0.06	0.06	0.06	70
Butylbenzene	12	12	12	12	NS
Carbon tetrachloride	0.76	0.76	0.76	0.76	NS
Chlorobenzene	1.1	1.1	1.1	1.1	40
Chloroform	0.37	0.37	0.37	0.37	12
Ethylbenzene	1	1	1	1	NS
Hexachlorobenzene	0.33 ³	0.33 ³	1.2	3.2	NS
Methyl ethyl ketone	0.12	0.12	0.12	0.12	100
Methyl tert-butyl ether	0.93	0.93	0.93	0.93	NS
Methylene chloride	0.05	0.05	0.05	0.05	12



Volatile Organic Compounds (continued)					
Propylbenzene-n	3.9	3.9	3.9	3.9	NS
Sec-Butylbenzene	11	11	11	11	NS
Tert-Butylbenzene	5.9	5.9	5.9	5.9	NS
Tetrachloroethene	1.3	1.3	1.3	1.3	2
Toluene	0.7	0.7	0.7	0.7	36
Trichloroethene	0.47	0.47	0.47	0.47	2
Trimethylbenzene-1,2,4	3.6	3.6	3.6	3.6	NS
Trimethylbenzene-1,3,5	8.4	8.4	8.4	8.4	NS
Vinyl chloride	0.02	0.02	0.02	0.02	NS
Xylene (mixed)	0.26	1.6	1.6	1.6	0.26

All concentrations are in parts per million (ppm)

NS = Not Specified

Footnotes:

¹ The SCO for Hexavalent or Trivalent Chromium is considered to be met if the analysis for the total species of this contaminant is below the specific SCO for Hexavalent Chromium.

² The SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate.

³ For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

⁴ This SCO is derived from data on mixed isomers of BHC.

Results compared to DER-10 restricted residential use limits

Ford Paint Sludge Project	Topsoil Analysis per DER-10	Source: RER Supply Wantage NY	
Comp-001			
CONSTITUENTS	RESULTS	RESTRICTED RESIDENTIAL USE LIMITS	
Metals			Unit
Arsenic	6.48	16	mg/kg
Barium	44.2	400	mg/kg
Beryllium	0	47	mg/kg
Cadium	0	4.3	mg/kg
Chromium,Hexavalent	0	19	mg/kg
Chromium,Trivalent	11.6	180	mg/kg
Copper	28.5	270	mg/kg
Cyanide	0	27	mg/kg
Lead	23.6	400	mg/kg
Manganese	412	2000	mg/kg
Mercury (Total)	0.0612	0.73	mg/kg
Nickel	14.4	130	mg/kg
Selenium	0.975	4	mg/kg
Silver	0	8.3	mg/kg
Zinc	66.1	2480	mg/kg
PCBs/Pesticides			mg/kg
2,,4,5-TP (Silvex)	0	3.8	mg/kg
4,4-DDE	0	8.9	mg/kg
4,4-DDT	0.00263	7.9	mg/kg
4,4-DDD	0	13	mg/kg
Aldrin	0	0.097	mg/kg
Alpha-BHC	0.00249	0.02	mg/kg
Beta-BHC	0	0.09	mg/kg
Chloradane (alpha)	0.0125	2.9	mg/kg
Delta-BHC	0	0.25	mg/kg
Dibenzofuran	0	59	mg/kg
Dieldrin	0	0.1	mg/kg
Endosulfan I	0	24	mg/kg
Endosulfan II	0	24	mg/kg
Endosulfan sulfate	0	24	mg/kg
Endrin	0	0.06	mg/kg
Heptachlor	0	0.38	mg/kg
Lindane	0	0.1	mg/kg
Polychlorinated byphenyls	0	1	mg/kg
Semi-volatile Organic Compounds			mg/kg
Acenaphthene	0	98	mg/kg
Acenaphthylene	0	100	mg/kg
Anthracene	0	100	mg/kg
Benzo(a)anthracene	0	1	mg/kg

Benzo(a)pyrene	0	1	mg/kg
Benzo(b) fluoranthene	0	1	mg/kg
Benzo(g,h,i)perylene	0	100	mg/kg
Benzo(k)fluoranthene	0	1.7	mg/kg
Chrysene	0	1	mg/kg
Dibenz(a,h)anthracene	0	0.33	mg/kg
Fluoranthene	0	100	mg/kg
Fluorene	0	100	mg/kg
Indeno(1,2,3-cd)pyrene	0	0.5	mg/kg
m-Cresol(s)	0	0.33	mg/kg
Naphthalene	0	12	mg/kg
o-Cresol(s)	0	0.33	mg/kg
p-Cresol(s)	0	0.33	mg/kg
Pentachlorophenol	0	0.8	mg/kg
Phenanthrene	0	100	mg/kg
Phenol	0	0.33	mg/kg
Pyrene	0	100	mg/kg
Volatile Organic Compounds			mg/kg
1,1,1- Trchloroethane		0.68	mg/kg
1,1-Dichloroethane		0.27	mg/kg
1,1-Dichloroethene		0.33	mg/kg
1,2-Dichlorobenzene		1.1	mg/kg
1,2-Dichloroethane		0.02	mg/kg
1,2-Dichloroethene(cis)		0.25	mg/kg
1,2-Dichloroethene(trans)		0.19	mg/kg
1,3-Dichlorobenzene		2.4	mg/kg
1,4-Dichlorobenzene		1.8	mg/kg
1,4-Dioxane		0.1	mg/kg
Acetone		0.05	mg/kg
Benzene		0.06	mg/kg
Butylbenzene		12	mg/kg
Carbon Tetrachloride		0.76	mg/kg
Chlorobenzene		1.1	mg/kg
Chloroform		0.37	mg/kg
Ethylbenzene		1	mg/kg
Hexachlorobenzene		1.2	mg/kg
Methyl ethyl ketone		0.12	mg/kg
Methyl tert-buty ether		0.93	mg/kg
Methylene chloride		0.05	mg/kg
Propylbenzene-n		3.9	mg/kg
Sec-Butylbenzene		11	mg/kg
Tert-Butylbenzene		5.9	mg/kg
Tetrachloroethene		1.3	mg/kg
Toluene		0.7	mg/kg
Trichloroethene		0.47	mg/kg
Trimethylbenzene-1,2,4		3.6	mg/kg
Trimethylbenzene-1,3,5		8.4	mg/kg
Vinyl chloride		0.02	mg/kg
Xylene (mixed)		1.6	mg/kg

Ford Paint Sludge Project	Topsoil Analysis per DER-10	Source: RER Supply Wantage NY	
Comp-002			
CONSTITUENTS	RESULTS	RESTRICTED RESIDENTIAL USE LIMITS	
Metals			Unit
Arsenic	3.86	16	mg/kg
Barium	43	400	mg/kg
Beryllium	0.148	47	mg/kg
Cadium	0	4.3	mg/kg
Chromium,Hexavalent	0	19	mg/kg
Chromium,Trivalent	11.3	180	mg/kg
Copper	23.9	270	mg/kg
Cyanide	0	27	mg/kg
Lead	24.9	400	mg/kg
Manganese	408	2000	mg/kg
Mercury (Total)	0.0532	0.73	mg/kg
Nickel	13.7	130	mg/kg
Selenium	0	4	mg/kg
Silver	0	8.3	mg/kg
Zinc	64.1	2480	mg/kg
PCBs/Pesticides			mg/kg
2,,4,5-TP (Silvex)	0	3.8	mg/kg
4,4-DDE	0	8.9	mg/kg
4,4-DDT	0.00263	7.9	mg/kg
4,4-DDD	0	13	mg/kg
Aldrin	0	0.097	mg/kg
Alpha-BHC	0.00244	0.02	mg/kg
Beta-BHC	0	0.09	mg/kg
Chloradane (alpha)	0.00961	2.9	mg/kg
Delta-BHC	0	0.25	mg/kg
Dibenzofuran	0	59	mg/kg
Dieldrin	0	0.1	mg/kg
Endosulfan I	0	24	mg/kg
Endosulfan II	0	24	mg/kg
Endosulfan sulfate	0	24	mg/kg
Endrin	0	0.06	mg/kg
Heptachlor	0	0.38	mg/kg
Lindane	0	0.1	mg/kg
Polychlorinated byphenyls	0	1	mg/kg
Semi-volatile Organic Compounds			mg/kg
Acenaphthene	0	98	mg/kg
Acenaphthylene	0	100	mg/kg
Anthracene	0	100	mg/kg
Benzo(a)anthracene	0	1	mg/kg
Benzo(a)pyrene	0	1	mg/kg
Benzo(b) fluoranthene	0	1	mg/kg

Benzo(g,h,i)perylene	0	100	mg/kg
Benzo(k)fluoranthene	0	1.7	mg/kg
Chrysene	0	1	mg/kg
Dibenz(a,h)anthracene	0	0.33	mg/kg
Fluoranthene	0	100	mg/kg
Fluorene	0	100	mg/kg
Indeno(1,2,3-cd)pyrene	0	0.5	mg/kg
m-Cresol(s)	0	0.33	mg/kg
Naphthalene	0	12	mg/kg
o-Cresol(s)	0	0.33	mg/kg
p-Cresol(s)	0	0.33	mg/kg
Pentachlorophenol	0	0.8	mg/kg
Phenanthrene	0	100	mg/kg
Phenol	0	0.33	mg/kg
Pyrene	0	100	mg/kg
Volatile Organic Compounds			mg/kg
1,1,1-Trichloroethane		0.68	mg/kg
1,1-Dichloroethane		0.27	mg/kg
1,1-Dichloroethene		0.33	mg/kg
1,2-Dichlorobenzene		1.1	mg/kg
1,2-Dichloroethane		0.02	mg/kg
1,2-Dichloroethene(cis)		0.25	mg/kg
1,2-Dichloroethene(trans)		0.19	mg/kg
1,3-Dichlorobenzene		2.4	mg/kg
1,4-Dichlorobenzene		1.8	mg/kg
1,4-Dioxane		0.1	mg/kg
Acetone		0.05	mg/kg
Benzene		0.06	mg/kg
Butylbenzene		12	mg/kg
Carbon Tetrachloride		0.76	mg/kg
Chlorobenzene		1.1	mg/kg
Chloroform		0.37	mg/kg
Ethylbenzene		1	mg/kg
Hexachlorobenzene		1.2	mg/kg
Methyl ethyl ketone		0.12	mg/kg
Methyl tert-butyl ether		0.93	mg/kg
Methylene chloride		0.05	mg/kg
Propylbenzene-n		3.9	mg/kg
Sec-Butylbenzene		11	mg/kg
Tert-Butylbenzene		5.9	mg/kg
Tetrachloroethene		1.3	mg/kg
Toluene		0.7	mg/kg
Trichloroethene		0.47	mg/kg
Trimethylbenzene-1,2,4		3.6	mg/kg
Trimethylbenzene-1,3,5		8.4	mg/kg
Vinyl chloride		0.02	mg/kg
Xylene (mixed)		1.6	mg/kg

Ford Paint Sludge Project	Topsoil Analysis per DER-10	Source: RER Supply Wantage NY	
Grab-001			
CONSTITUENTS	RESULTS	RESTRICTED RESIDENTIAL USE LIMITS	
Metals			Unit
Arsenic		16	mg/kg
Barium		400	mg/kg
Beryllium		47	mg/kg
Cadium		4.3	mg/kg
Chromium,Hexavalent		19	mg/kg
Chromium,Trivalent		180	mg/kg
Copper		270	mg/kg
Cyanide		27	mg/kg
Lead		400	mg/kg
Manganese		2000	mg/kg
Mercury (Total)		0.73	mg/kg
Nickel		130	mg/kg
Selenium		4	mg/kg
Silver		8.3	mg/kg
Zinc		2480	mg/kg
PCBs/Pesticides			mg/kg
2,,4,5-TP (Silvex)		3.8	mg/kg
4,4-DDE		8.9	mg/kg
4,4-DDT		7.9	mg/kg
4,4-DDD		13	mg/kg
Aldrin		0.097	mg/kg
Alpha-BHC		0.02	mg/kg
Beta-BHC		0.09	mg/kg
Chloradane (alpha)		2.9	mg/kg
Delta-BHC		0.25	mg/kg
Dibenzofuran		59	mg/kg
Dieldrin		0.1	mg/kg
Endosulfan I		24	mg/kg
Endosulfan II		24	mg/kg
Endosulfan sulfate		24	mg/kg
Endrin		0.06	mg/kg
Heptachlor		0.38	mg/kg
Lindane		0.1	mg/kg
Polychlorinated byphenyls		1	mg/kg
Semi-volatile Organic Compounds			mg/kg
Acenaphthene		98	mg/kg
Acenaphthylene		100	mg/kg
Anthracene		100	mg/kg
Benzo(a)anthracene		1	mg/kg
Benzo(a)pyrene		1	mg/kg
Benzo(b) fluoranthene		1	mg/kg

Benzo(g,h,i)perylene		100	mg/kg
Benzo(k)fluoranthene		1.7	mg/kg
Chrysene		1	mg/kg
Dibenz(a,h)anthracene		0.33	mg/kg
Fluoranthene		100	mg/kg
Fluorene		100	mg/kg
Indeno(1,2,3-cd)pyrene		0.5	mg/kg
m-Cresol(s)		0.33	mg/kg
Naphthalene		12	mg/kg
o-Cresol(s)		0.33	mg/kg
p-Cresol(s)		0.33	mg/kg
Pentachlorophenol		0.8	mg/kg
Phenanthrene		100	mg/kg
Phenol		0.33	mg/kg
Pyrene		100	mg/kg
Volatile Organic Compounds			mg/kg
1,1,1-Trichloroethane	0	0.68	mg/kg
1,1-Dichloroethane	0	0.27	mg/kg
1,1-Dichloroethene	0	0.33	mg/kg
1,2-Dichlorobenzene	0	1.1	mg/kg
1,2-Dichloroethane	0	0.02	mg/kg
1,2-Dichloroethene(cis)	0	0.25	mg/kg
1,2-Dichloroethene(trans)	0	0.19	mg/kg
1,3-Dichlorobenzene	0	2.4	mg/kg
1,4-Dichlorobenzene	0	1.8	mg/kg
1,4-Dioxane	0	0.1	mg/kg
Acetone	0	0.05	mg/kg
Benzene	0	0.06	mg/kg
Butylbenzene	0	12	mg/kg
Carbon Tetrachloride	0	0.76	mg/kg
Chlorobenzene	0	1.1	mg/kg
Chloroform	0	0.37	mg/kg
Ethylbenzene	0	1	mg/kg
Hexachlorobenzene	0	1.2	mg/kg
Methyl ethyl ketone	0	0.12	mg/kg
Methyl tert-butyl ether	0.00519	0.93	mg/kg
Methylene chloride	0	0.05	mg/kg
Propylbenzene-n	0	3.9	mg/kg
Sec-Butylbenzene	0	11	mg/kg
Tert-Butylbenzene	0	5.9	mg/kg
Tetrachloroethene	0	1.3	mg/kg
Toluene	0	0.7	mg/kg
Trichloroethene	0	0.47	mg/kg
Trimethylbenzene-1,2,4	0	3.6	mg/kg
Trimethylbenzene-1,3,5	0	8.4	mg/kg
Vinyl chloride	0	0.02	mg/kg
Xylene (mixed)	0.00195	1.6	mg/kg

Ford Paint Sludge Project	Topsoil Analysis per DER-10	Source: RER Supply Wantage NY	
Grab-002			
CONSTITUENTS	RESULTS	RESTRICTED RESIDENTIAL USE LIMITS	
Metals			Unit
Arsenic		16	mg/kg
Barium		400	mg/kg
Beryllium		47	mg/kg
Cadium		4.3	mg/kg
Chromium,Hexavalent		19	mg/kg
Chromium,Trivalent		180	mg/kg
Copper		270	mg/kg
Cyanide		27	mg/kg
Lead		400	mg/kg
Manganese		2000	mg/kg
Mercury (Total)		0.73	mg/kg
Nickel		130	mg/kg
Selenium		4	mg/kg
Silver		8.3	mg/kg
Zinc		2480	mg/kg
PCBs/Pesticides			mg/kg
2,,4,5-TP (Silvex)		3.8	mg/kg
4,4-DDE		8.9	mg/kg
4,4-DDT		7.9	mg/kg
4,4-DDD		13	mg/kg
Aldrin		0.097	mg/kg
Alpha-BHC		0.02	mg/kg
Beta-BHC		0.09	mg/kg
Chloradane (alpha)		2.9	mg/kg
Delta-BHC		0.25	mg/kg
Dibenzofuran		59	mg/kg
Dieldrin		0.1	mg/kg
Endosulfan I		24	mg/kg
Endosulfan II		24	mg/kg
Endosulfan sulfate		24	mg/kg
Endrin		0.06	mg/kg
Heptachlor		0.38	mg/kg
Lindane		0.1	mg/kg
Polychlorinated byphenyls		1	mg/kg
Semi-volatile Organic Compounds			mg/kg
Acenaphthene		98	mg/kg
Acenaphthylene		100	mg/kg
Anthracene		100	mg/kg
Benzo(a)anthracene		1	mg/kg
Benzo(a)pyrene		1	mg/kg

Benzo(b) fluoranthene		1	mg/kg
Benzo(g,h,i)perylene		100	mg/kg
Benzo(k)fluoranthene		1.7	mg/kg
Chrysene		1	mg/kg
Dibenz(a,h)anthracene		0.33	mg/kg
Fluoranthene		100	mg/kg
Fluorene		100	mg/kg
Indeno(1,2,3-cd)pyrene		0.5	mg/kg
m-Cresol(s)		0.33	mg/kg
Naphthalene		12	mg/kg
o-Cresol(s)		0.33	mg/kg
p-Cresol(s)		0.33	mg/kg
Pentachlorophenol		0.8	mg/kg
Phenanthrene		100	mg/kg
Phenol		0.33	mg/kg
Pyrene		100	mg/kg
Volatile Organic Compounds			mg/kg
1,1,1-Trichloroethane	0	0.68	mg/kg
1,1-Dichloroethane	0	0.27	mg/kg
1,1-Dichloroethene	0	0.33	mg/kg
1,2-Dichlorobenzene	0	1.1	mg/kg
1,2-Dichloroethane	0	0.02	mg/kg
1,2-Dichloroethene(cis)	0	0.25	mg/kg
1,2-Dichloroethene(trans)	0	0.19	mg/kg
1,3-Dichlorobenzene	0	2.4	mg/kg
1,4-Dichlorobenzene	0	1.8	mg/kg
1,4-Dioxane	0	0.1	mg/kg
Acetone	0	0.05	mg/kg
Benzene	0	0.06	mg/kg
Butylbenzene	0	12	mg/kg
Carbon Tetrachloride	0	0.76	mg/kg
Chlorobenzene	0	1.1	mg/kg
Chloroform	0	0.37	mg/kg
Ethylbenzene	0	1	mg/kg
Hexachlorobenzene	0	1.2	mg/kg
Methyl ethyl ketone	0	0.12	mg/kg
Methyl tert-butyl ether	0.00487	0.93	mg/kg
Methylene chloride	0	0.05	mg/kg
Propylbenzene-n	0	3.9	mg/kg
Sec-Butylbenzene	0	11	mg/kg
Tert-Butylbenzene	0	5.9	mg/kg
Tetrachloroethene	0	1.3	mg/kg
Toluene	0.00184	0.7	mg/kg
Trichloroethene	0	0.47	mg/kg
Trimethylbenzene-1,2,4	0	3.6	mg/kg
Trimethylbenzene-1,3,5	0	8.4	mg/kg
Vinyl chloride	0	0.02	mg/kg
Xylene (mixed)	0.0021	1.6	mg/kg

Ford Paint Sludge Project	Topsoil Analysis per DER-10	Source: RER Supply Wantage NY	
Grab-003			
CONSTITUENTS	RESULTS	RESTRICTED RESIDENTIAL USE LIMITS	
Metals			Unit
Arsenic		16	mg/kg
Barium		400	mg/kg
Beryllium		47	mg/kg
Cadium		4.3	mg/kg
Chromium,Hexavalent		19	mg/kg
Chromium,Trivalent		180	mg/kg
Copper		270	mg/kg
Cyanide		27	mg/kg
Lead		400	mg/kg
Manganese		2000	mg/kg
Mercury (Total)		0.73	mg/kg
Nickel		130	mg/kg
Selenium		4	mg/kg
Silver		8.3	mg/kg
Zinc		2480	mg/kg
PCBs/Pesticides			mg/kg
2,,4,5-TP (Silvex)		3.8	mg/kg
4,4-DDE		8.9	mg/kg
4,4-DDT		7.9	mg/kg
4,4-DDD		13	mg/kg
Aldrin		0.097	mg/kg
Alpha-BHC		0.02	mg/kg
Beta-BHC		0.09	mg/kg
Chloradane (alpha)		2.9	mg/kg
Delta-BHC		0.25	mg/kg
Dibenzofuran		59	mg/kg
Dieldrin		0.1	mg/kg
Endosulfan I		24	mg/kg
Endosulfan II		24	mg/kg
Endosulfan sulfate		24	mg/kg
Endrin		0.06	mg/kg
Heptachlor		0.38	mg/kg
Lindane		0.1	mg/kg
Polychlorinated byphenyls		1	mg/kg
Semi-volatile Organic Compounds			mg/kg
Acenaphthene		98	mg/kg
Acenaphthylene		100	mg/kg
Anthracene		100	mg/kg
Benzo(a)anthracene		1	mg/kg

Benzo(a)pyrene		1	mg/kg
Benzo(b) fluoranthene		1	mg/kg
Benzo(g,h,i)perylene		100	mg/kg
Benzo(k)fluoranthene		1.7	mg/kg
Chrysene		1	mg/kg
Dibenz(a,h)anthracene		0.33	mg/kg
Fluoranthene		100	mg/kg
Fluorene		100	mg/kg
Indeno(1,2,3-cd)pyrene		0.5	mg/kg
m-Cresol(s)		0.33	mg/kg
Naphthalene		12	mg/kg
o-Cresol(s)		0.33	mg/kg
p-Cresol(s)		0.33	mg/kg
Pentachlorophenol		0.8	mg/kg
Phenanthrene		100	mg/kg
Phenol		0.33	mg/kg
Pyrene		100	mg/kg
Volatile Organic Compounds			mg/kg
1,1,1- Trchloroethane	0	0.68	mg/kg
1,1-Dichloroethane	0	0.27	mg/kg
1,1-Dichloroethene	0	0.33	mg/kg
1,2-Dichlorobenzene	0	1.1	mg/kg
1,2-Dichloroethane	0	0.02	mg/kg
1,2-Dichloroethene(cis)	0	0.25	mg/kg
1,2-Dichloroethene(trans)	0	0.19	mg/kg
1,3-Dichlorobenzene	0	2.4	mg/kg
1,4-Dichlorobenzene	0	1.8	mg/kg
1,4-Dioxane	0	0.1	mg/kg
Acetone	0	0.05	mg/kg
Benzene	0	0.06	mg/kg
Butylbenzene	0	12	mg/kg
Carbon Tetrachloride	0	0.76	mg/kg
Chlorobenzene	0	1.1	mg/kg
Chloroform	0	0.37	mg/kg
Ethylbenzene	0.00166	1	mg/kg
Hexachlorobenzene	0	1.2	mg/kg
Methyl ethyl ketone	0	0.12	mg/kg
Methyl tert-buty ether	0.00412	0.93	mg/kg
Methylene chloride	0	0.05	mg/kg
Propylbenzene-n	0	3.9	mg/kg
Sec-Butylbenzene	0	11	mg/kg
Tert-Butylbenzene	0	5.9	mg/kg
Tetrachloroethene	0	1.3	mg/kg
Toluene	0.00408	0.7	mg/kg
Trichloroethene	0	0.47	mg/kg
Trimethylbenzene-1,2,4	0	3.6	mg/kg
Trimethylbenzene-1,3,5	0	8.4	mg/kg
Vinyl chloride	0	0.02	mg/kg
Xylene (mixed)	0.00846	1.6	mg/kg

Ford Paint Sludge Project	Topsoil Analysis per DER-10	Source: RER Supply Wantage NY	
Grab-004			
CONSTITUENTS	RESULTS	RESTRICTED RESIDENTIAL USE LIMITS	
Metals			Unit
Arsenic		16	mg/kg
Barium		400	mg/kg
Beryllium		47	mg/kg
Cadium		4.3	mg/kg
Chromium,Hexavalent		19	mg/kg
Chromium,Trivalent		180	mg/kg
Copper		270	mg/kg
Cyanide		27	mg/kg
Lead		400	mg/kg
Manganese		2000	mg/kg
Mercury (Total)		0.73	mg/kg
Nickel		130	mg/kg
Selenium		4	mg/kg
Silver		8.3	mg/kg
Zinc		2480	mg/kg
PCBs/Pesticides			mg/kg
2,,4,5-TP (Silvex)		3.8	mg/kg
4,4-DDE		8.9	mg/kg
4,4-DDT		7.9	mg/kg
4,4-DDD		13	mg/kg
Aldrin		0.097	mg/kg
Alpha-BHC		0.02	mg/kg
Beta-BHC		0.09	mg/kg
Chloradane (alpha)		2.9	mg/kg
Delta-BHC		0.25	mg/kg
Dibenzofuran		59	mg/kg
Dieldrin		0.1	mg/kg
Endosulfan I		24	mg/kg
Endosulfan II		24	mg/kg
Endosulfan sulfate		24	mg/kg
Endrin		0.06	mg/kg
Heptachlor		0.38	mg/kg
Lindane		0.1	mg/kg
Polychlorinated byphenyls		1	mg/kg
Semi-volatile Organic Compounds			mg/kg
Acenaphthene		98	mg/kg
Acenaphthylene		100	mg/kg
Anthracene		100	mg/kg
Benzo(a)anthracene		1	mg/kg
Benzo(a)pyrene		1	mg/kg
Benzo(b) fluoranthene		1	mg/kg
Benzo(g,h,i)perylene		100	mg/kg
Benzo(k)fluoranthene		1.7	mg/kg
Chrysene		1	mg/kg
Dibenz(a,h)anthracene		0.33	mg/kg
Fluoranthene		100	mg/kg
Fluorene		100	mg/kg

Indeno(1,2,3-cd)pyrene		0.5	mg/kg	
m-Cresol(s)		0.33	mg/kg	
Naphthalene		12	mg/kg	
o-Cresol(s)		0.33	mg/kg	
p-Cresol(s)		0.33	mg/kg	
Pentachlorophenol		0.8	mg/kg	
Phenanthrene		100	mg/kg	
Phenol		0.33	mg/kg	
Pyrene		100	mg/kg	
Volatile Organic Compounds			mg/kg	
1,1,1- Trchloroethane	0	0.68	mg/kg	
1,1-Dichloroethane	0	0.27	mg/kg	
1,1-Dichloroethene	0	0.33	mg/kg	
1,2-Dichlorobenzene	0	1.1	mg/kg	
1,2-Dichloroethane	0	0.02	mg/kg	
1,2-Dichloroethene(cis)	0	0.25	mg/kg	
1,2-Dichloroethene(trans)	0	0.19	mg/kg	
1,3-Dichlorobenzene	0	2.4	mg/kg	
1,4-Dichlorobenzene	0	1.8	mg/kg	
1,4-Dioxane	0	0.1	mg/kg	
Acetone	0	0.05	mg/kg	
Benzene	0	0.06	mg/kg	
Butylbenzene	0	12	mg/kg	
Carbon Tetrachloride	0	0.76	mg/kg	
Chlorobenzene	0	1.1	mg/kg	
Chloroform	0	0.37	mg/kg	
Ethylbenzene	0.00138	1	mg/kg	
Hexachlorobenzene	0	1.2	mg/kg	
Methyl ethyl ketone	0	0.12	mg/kg	
Methyl tert-buty ether	0.00491	0.93	mg/kg	
Methylene chloride	0	0.05	mg/kg	
Propylbenzene-n	0	3.9	mg/kg	
Sec-Butylbenzene	0	11	mg/kg	
Tert-Butylbenzene	0	5.9	mg/kg	
Tetrachloroethene	0	1.3	mg/kg	
Toluene	0.00383	0.7	mg/kg	
Trichloroethene	0	0.47	mg/kg	
Trimethylbenzene-1,2,4	0	3.6	mg/kg	
Trimethylbenzene-1,3,5	0	8.4	mg/kg	
Vinyl chloride	0	0.02	mg/kg	
Xylene (mixed)	0.00764	1.6	mg/kg	