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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

November 24, 2012

Ms. Shawna Hoppe, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072

TDD NO: TO-0027-0034

DOCUMENT CONTROL NO: RST 2-02-F-2193

**SUBJECT: FINAL SAMPLING TRIP REPORT - MC CANFIELD & SONS SITE,
NEWARK, ESSEX COUNTY, NEW JERSEY**

Dear Ms. Hoppe,

Enclosed please find the Final Sampling Trip Report for the MC Canfield & Sons Site located at Cornerstone Lane & Marrow Street in Newark, Essex County, New Jersey. The sampling conducted from August 20 through 30, 2012 was part of the Removal Assessment of the Site. If you have any questions, please do not hesitate to contact me at (732) 585-4421.

Sincerely,

Weston Solutions, Inc.

Joel Petty

Removal Support Team 2
Site Project Manager/Group Leader

Enclosure

cc: TDD File No: TO-0027-0034

an employee-owned company

*In Association with Scientific and Environmental Associates, Inc.,
H & S Environmental, Inc., and Avatar Environmental, LLC*



FINAL SAMPLING TRIP REPORT

SITE NAME: MC Canfield & Sons
DC NO.: RST 2-02-F-2150
TDD NO.: TO-0027-0034

EPA SITE ID NO.: NJN000206557

SAMPLING DATE: August 20 through 30, 2012

- 1. Site Location:** Cornerstone Lane & Marrow Street, Newark, Essex County,
New Jersey
Refer to Attachment A, Figure 1, Site Location Map
- 2. Sample Location:** Refer to Attachment A, Figure 2, Sample Locations with XRF
Lead Results

3. Introduction:

In May 2012, the U.S. Environmental Protection Agency's (EPA) Removal Action Branch was requested to assess residential properties for the presence of lead in the vicinity of the MC Canfield & Sons Site (the Site) located at Cornerstone Lane and Marrow Street, Newark, Essex County, New Jersey. The removal assessment is in response to the request from New Jersey Department of Environmental Protection (NJDEP). Soil investigations conducted by NJDEP in March 2012 at the Site indicated that there are elevated lead levels in the soil on the property. As a result, a removal assessment was conducted to determine if any additional properties had been impacted by previous operations conducted at the Site.

This report has been prepared to document the activities which were completed in support of the Removal Assessment.

4. Removal Assessment Summary:

On August 20, 2011, Weston Solutions, Inc., Removal Support Team 2 (RST 2) mobilized to the Site to conduct Removal Assessment sampling activities at the property, now occupied by a residential townhouse community, referred to by RST 2 as MC Canfield & Sons. Sampling was conducted in accordance with the *Superfund Lead-Contaminated Residential Sites Handbook*, dated August 2003. The property was split into 34 quadrants and included areas of high use such as gardens, play areas, flower beds, etc. Five sample locations were designated within each quadrant and soil samples from these locations were collected from depths of 0 inch (sod), 0-2 inches, 2-6 inches, 6-12 inches, 12-18 inches, and 18-24 inches. Samples from discrete intervals throughout each quadrant were composited into one sample for that specific depth. Composite samples were also collected from a church adjacent to the Site and four off-site locations to determine background lead concentrations. At the church, in addition to the composite samples

collected from the property, soil samples were also collected from three locations along the drip line (6-30 inches from the building). Discrete samples were also collected from the four corners of the site (P001-SS001, P001-SS007, P001-SS022, and P001-SS034) and from the four quadrants where concentrations of lead were highest (P001-SS012, P001-SS013, P001-SS014, and P001-SS015). As part of the removal assessment sampling activities, RST 2 collected 233 composite soil samples and 101 discrete soil samples from quadrants established throughout the property, the adjacent church, and background locations.

The soil samples collected from the Site were screened for metals on-site using an Innov-X portable x-ray fluorescence (XRF) instrument with ten percent (not including discrete samples) submitted to an EPA Contract Laboratory Program (CLP) laboratory for Target Analyte List (TAL) metals analysis. Field screening for metals in soil was performed on-site using portable XRF technology. The samples were collected in a 6 by 9 inch plastic bag, homogenized, dried if necessary, and analyzed three times using the XRF. Organic debris was removed from the sample before it was homogenized. Each XRF sample screening interval lasted one minute. The three screening intervals were then averaged to determine the approximate metal concentration. Field screening samples were collected with dedicated plastic scoops.

Ten percent of the soil samples and all of the rinsate blank samples were shipped to a CLP laboratory, A4 Scientific, Inc. on August 23, 2012 under Chain of Custody (COC) Record No. 2-082312-183909-0001 and FedEx US Airbill No. 870897315254, and on August 30, 2012 under COC Record No. 2-083012-143604-0002 and FedEx US Airbill No. 899355984032. All samples sent to the laboratory were chosen by the On-Scene Coordinators (OSCs). Three samples were also hand-delivered to the EPA Division of Environmental Science and Assessment (DESA) laboratory on August 31, 2012 under COC Record No. 2-083112-104405-0003 for Toxicity Characteristic Leaching Procedure (TCLP) metals analysis. For additional information, refer to Attachment C: Chain of Custody Records and Shipping Documentation.

5. Laboratories Receiving Samples:

Sample Matrix	Analyses	Laboratory
Soil and Aqueous (Rinsate Blanks)	TAL Metals	A4 Scientific Inc. 1544 Sawdust Rd. Suite 505 The Woodlands, TX 77380
Soil	TCLP Metals	EPA DESA Laboratory 2890 Woodbridge Ave. Edison, NJ 08837

TCLP = Toxicity Characteristic Leaching Procedure
DESA = Division of Environmental Science and Assessment

TAL = Target Analyte List

6. Personnel On Site:

Name	Representing	Duties On-Site
Shawna Hoppe	U.S EPA, Region II	On-Scene Coordinator
Cris D'Onofrio	U.S EPA, Region II	On-Scene Coordinator
David Rosoff	U.S EPA, Region II	On-Scene Coordinator
Keith Glenn	U.S EPA, Region II	On-Scene Coordinator
Joel Petty	RST 2, Region II	Site Project Manager, Site H&S, Field Sample Collection, Sample Management
Britney Kelly	RST 2, Region II	XRF Technician, Sample Management
Mark Conover	RST 2, Region II	Sample Collection
Peter Lisichenko	RST 2, Region II	Sample Collection
Steven O'Brien	RST 2, Region II	Sample Collection
Michael Garibaldi	RST 2, Region II	Sample Collection
Sean Hettinger	RST 2, Region II	Sample Collection
Lionel Montanez	RST 2, Region II	Sample Collection

7. Analytical Discussion

Based on the XRF screening data results of the composite soil samples collected, lead was detected at concentrations ranging from 24 milligrams per kilogram (mg/kg) to 3,227 mg/kg. Quadrants P001-SS001, P001-SS003, P001-SS009, P001-SS012, P001-SS013, P001-SS014, P001-SS015, P001-SS017, P001-SS019, P001-SS023, P001-SS026, P001-SS027, P001-SS028, P001-SS029, P001-SS030, P001-SS031, P001-SS032, P002-SS001, P002-SS002, and P006-SS001 contained samples with lead results exceeding the New Jersey Administrative Code (NJAC) Residential Direct Contact Soil Remediation Standard of 400 mg/kg. Refer to Attachment B, Table 1: X-Ray Fluorescence (XRF) Soil Screening Results for Lead – Composite Samples.

Based on the XRF screening data results of the discrete soil samples collected from the four corners of the Site, lead was detected at concentrations ranging from 20 mg/kg to 494 mg/kg. P001-SS034-D contained a sample with lead results exceeding the NJAC Residential Direct Contact Soil Remediation Standard of 400 mg/kg. Refer to Attachment B, Table 2: X-Ray Fluorescence (XRF) Soil Screening Results for Lead – Discrete Samples.

Based on the XRF screening data results of the discrete soil samples collected from the four quadrants of the Site in which the composite samples contained the greatest amounts of lead, lead was detected at concentrations ranging from 19 mg/kg to 6,863 mg/kg. P001-SS012-F, P001-SS012-G, P001-SS012-H, P001-SS012-I, P001-SS013-F, P001-SS013-H, P001-SS013-I, P001-SS014-G, P001-SS014-I, P001-SS015-F, P001-SS015-G, P001-SS015-H, and P001-SS015-I contained samples with lead results exceeding the NJAC Residential Direct Contact Soil Remediation Standard of 400 mg/kg. Refer to Attachment B, Table 2: X-Ray Fluorescence (XRF) Soil Screening Results for Lead – Discrete Samples.

Based on the XRF screening data results of the composite soil samples collected from the Site, the following metals (chosen by the OSC) were detected (maximum concentration and sample location in parentheses): antimony (28 mg/kg in P001-SS014-0206-001); arsenic (91 mg/kg in P001-SS014-1218-001); cadmium (15 mg/kg in P001-SS015-1824-001); chromium (133 mg/kg in P001-SS017-0002-001); cobalt (1,721 mg/kg in P001-SS033-1824-001); copper (730 mg/kg in P001-SS014-0206-001); iron (53,490 mg/kg in P001-SS033-1824-001); manganese (746 mg/kg in P001-SS033-1824-001); nickel (86 mg/kg in P001-SS030-0206-001); tin (4,061 mg/kg in P001-SS015-1824-001); and zinc (1,406 mg/kg in P001-SS015-1824-001). In addition, two of these metals (arsenic and cobalt) were detected in soil samples collected from the Site at concentrations above the NJAC Residential Direct Contact Soil Remediation Standard. Refer to Attachment B, Table 3: X-Ray Fluorescence (XRF) Soil Screening Results for Metals – Composite Samples.

Based on the analytical results of the samples sent to a CLP laboratory, the following 21 TAL metals were detected in soil samples collected from the Site (maximum concentration and sample location in parentheses): aluminum (14,500 mg/kg in P001-SS022-A-0206-001); antimony (14.2 mg/kg in P001-SS015-1824-001); arsenic (8.0 mg/kg in P001-SS026-1824-001); barium (823 mg/kg in P001-SS003-1824-001); beryllium (0.65 mg/kg in P001-SS022-A-0206-001); cadmium (2.2 mg/kg in P001-SS026-1824-001); calcium (26,800 mg/kg in P001-SS003-1824-001); chromium (37.0 mg/kg in P001-SS001-A-0206-001); cobalt (12.6 mg/kg in P001-SS022-A-0206-001); copper (581 mg/kg in P001-SS015-1824-001); iron (30,000 mg/kg in P001-SS034-D-0612-001); lead (5,040 mg/kg in P001-SS009-1824-001); magnesium (4,510 mg/kg in P001-SS034-D-0612-001); manganese (546 mg/kg in P001-SS003-0206-001); nickel (44.0 mg/kg in P001-SS034-D-0612-001); potassium (1,740 mg/kg in P001-SS022-A-0206-001); selenium (1.6 J mg/kg in P001-SS026-1824-001 and P002-SS001-SOD-001); silver (24.5 mg/kg in P001-SS015-1824-001); sodium (1,280 mg/kg in P001-SS034-1218-001); vanadium (47.0 mg/kg in P001-SS022-A-0206-001); and zinc (1,290 mg/kg in P001-SS015-1824-001). In addition, lead was detected in soil samples at concentrations exceeding their NJAC Residential Direct Contact Soil Remediation Standard. Refer to Attachment B, Table 4: Validated Analytical Results for TAL Metals.

Based on the analytical results of the three samples sent to DESA, the following TCLP metal was detected in soil samples collected from the Site (maximum concentration and sample location in parentheses): lead [7.1 milligrams per liter (mg/L) in P001-SS015-1824-001]. Refer to Attachment B, Table 5: Validated Analytical Results for TCLP Metals.

8. Report Prepared By:


Joel Petty

Site Project Manager, RST 2

Date 11/24/12

9. Report Reviewed By:

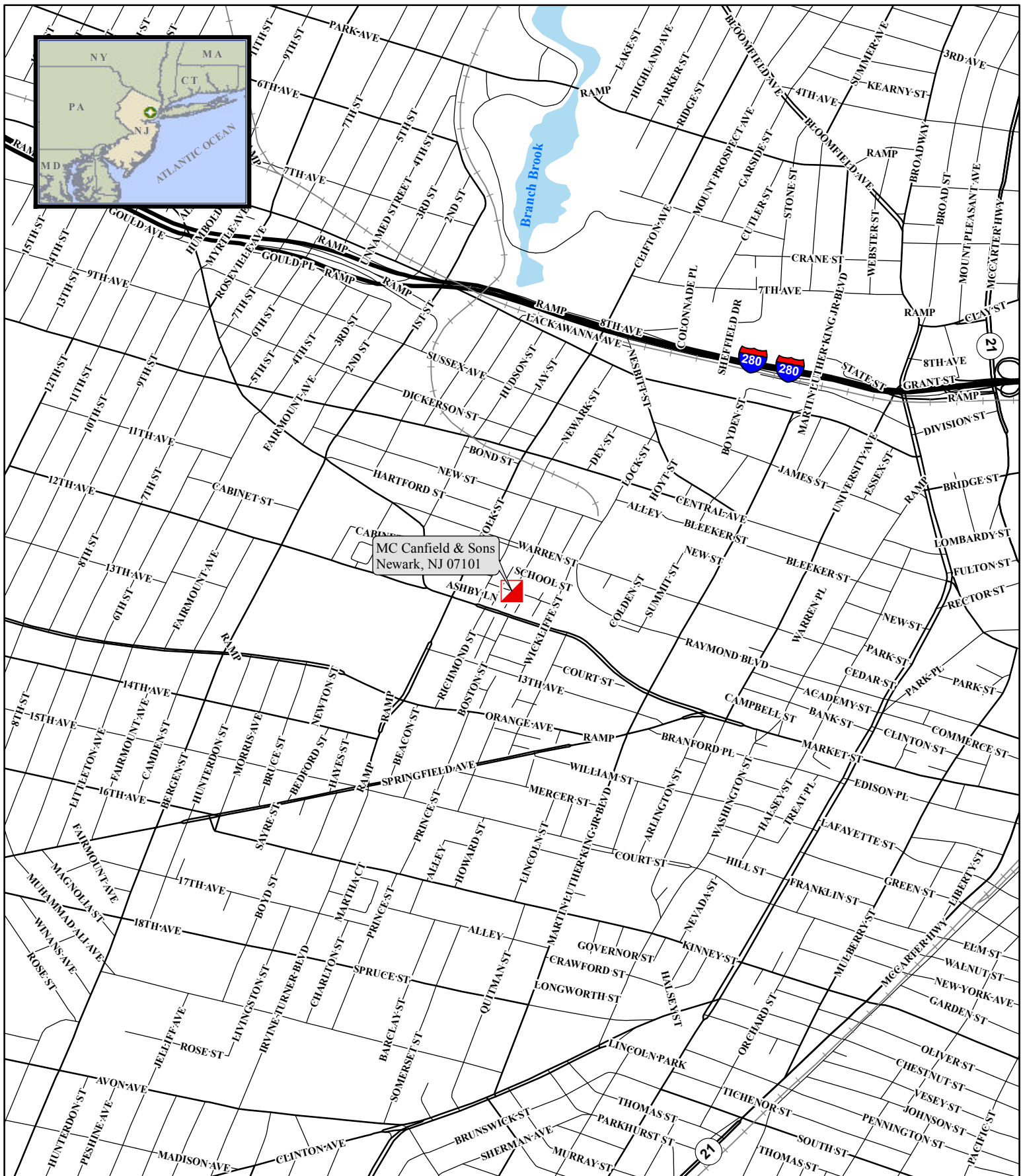

Timothy Benton

Operations Manager, RST 2

Date 11/24/12

ATTACHMENT A

- Figure 1: Site Location Map
 - Figure 2: Sample Locations with XRF Lead Results
-



Legend



Site Location

0 0.05 0.1 0.2 0.3 0.4
Miles



Weston Solutions, Inc.
Northeast Division

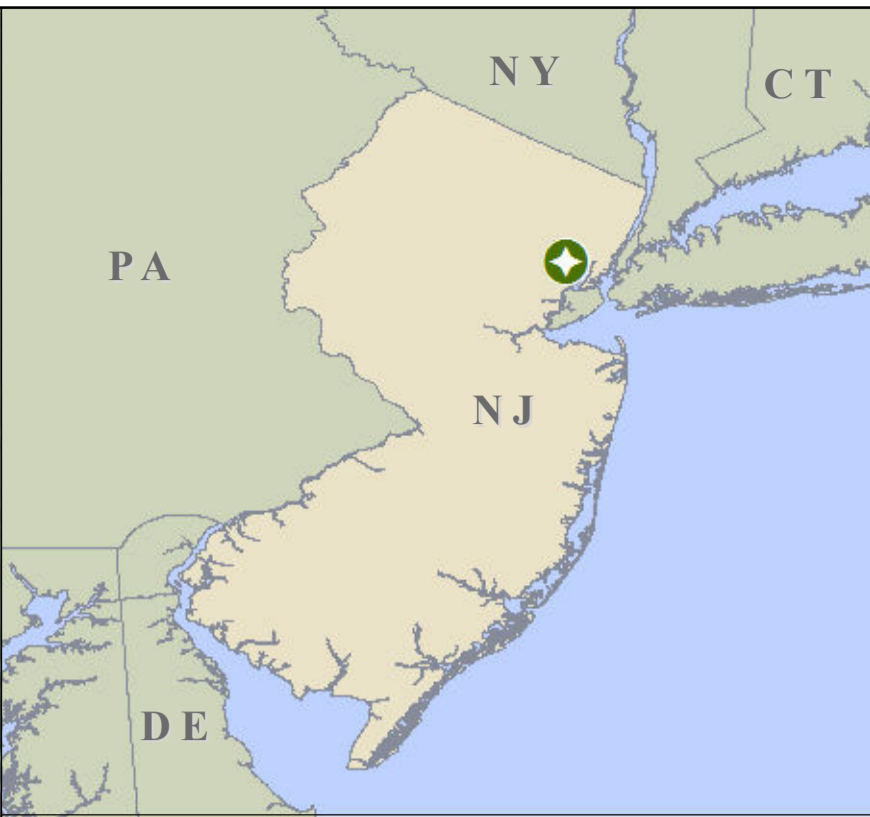
In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 1
Site Location Map

MC Canfield & Sons Site
Newark, New Jersey

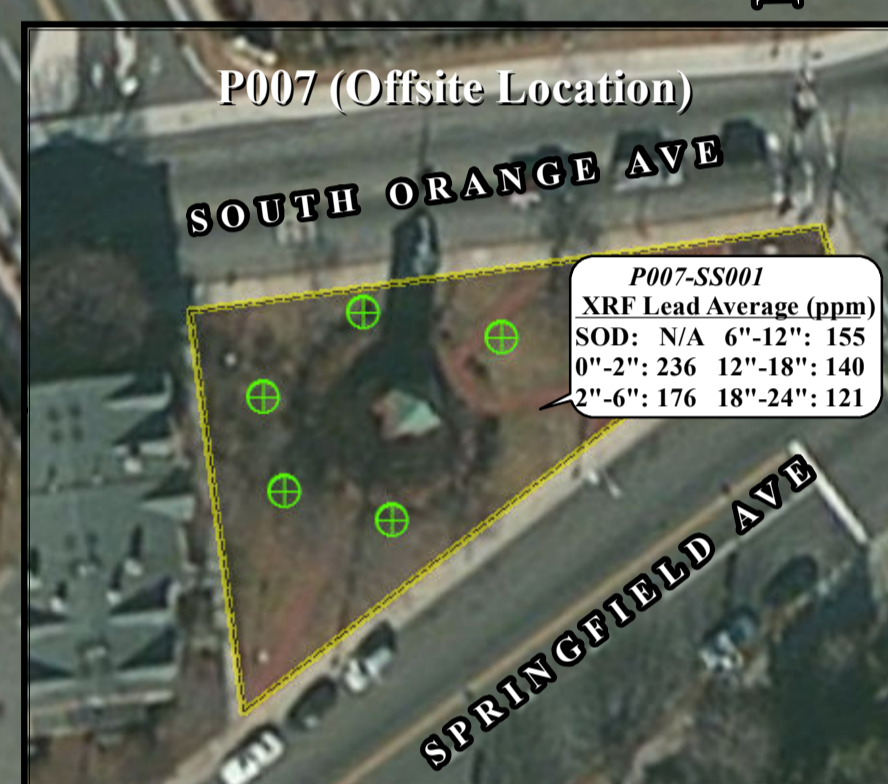
U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 8/15/2012
GIS ANALYST: T. BENTON
EPA OSC: S. HOPPE
RST SPM: J. PETTY
FILENAME: SITEMAP.MXD



SCALE
1:450

- LEGEND
- XRF Composite Location
 - XRF Composite Location (Dripline)
 - Composite Sampling Grid



NOTES:
* ALL RESULTS ARE DEPICTED IN PARTS PER MILLION (PPM).
* ALL RESULTS DEPICTED IN RED EXCEED THE NJ/DE RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA FOR LEAD.

Figure 2: Sample Locations
w/ XRF Lead Results

MC CANFIELD & SONS SITE
NEWARK, NEW JERSEY

UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

Weston Solutions, Inc.
Northeast Division

In Association With
Avatar Environmental, LLC,
Innovative Technological Solutions, Inc. &
Scientific and Environmental Associates, Inc.

GIS ANALYST:	F. CAMPBELL
EPA OSC:	S. HOPPE
RST SPM:	J. PETTY
FILENAME:	OV ASSESSMENT.MXD
FIGURE:	1
REVISION:	1
DATE MODIFIED:	10/26/2012



ATTACHMENT B

- Table 1: X-Ray Fluorescence (XRF) Soil Screening Results for Lead – Composite Samples
 - Table 2: X-Ray Fluorescence (XRF) Soil Screening Results for Lead – Discrete Samples
 - Table 3: X-Ray Fluorescence (XRF) Soil Screening Results for Metals – Composite Samples
 - Table 4: Validated Analytical Results for TAL Metals
 - Table 5: Validated Analytical Results for TCLP Metals
-

Table 1
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{ +/- }	Result	{ +/- }	Result	{ +/- }	
P001	SS001	0002	8/21/12	0925	159	6	163	7	144	6	155
P001	SS001	0206	8/21/12	0940	451	11	304	9	362	10	372
P001	SS001	0612	8/21/12	0945	285	9	359	10	299	9	314
P001	SS001	1218	8/21/12	0955	322	10	287	9	328	9	312
P001	SS001	1824	8/21/12	1010	388	10	425	11	461	11	425
P001	SS002	SOD	8/21/12	0917	89	5	62	4	68	4	73
P001	SS002	0002	8/21/12	0920	123	6	122	6	138	5	128
P001	SS002	0206	8/21/12	0930	269	8	232	8	243	8	248
P001	SS002	0612	8/21/12	0935	145	6	194	7	184	7	174
P001	SS002	1218	8/21/12	0940	181	7	140	6	147	6	156
P001	SS002	1824	8/21/12	0950	227	8	174	7	177	7	193
P001	SS003	SOD	8/23/12	1345	106	5	104	5	60	4	90
P001	SS003	0002	8/23/12	1350	203	7	117	6	111	5	144
P001	SS003	0206	8/23/12	1540	273	9	310	10	232	8	272
P001	SS003	0612	8/23/12	1550	731	15	719	15	947	18	799
P001	SS003	1218	8/23/12	1600	382	11	432	11	1,193	21	669
P001	SS003	1824	8/23/12	1615	1,339	22	1,354	23	1,591	25	1,428
P001	SS004	SOD	8/22/12	1529	67	5	80	5	76	5	74
P001	SS004	0002	8/22/12	1530	64	5	73	5	52	4	63
P001	SS004	0206	8/22/12	1550	147	7	155	7	153	7	152
P001	SS004	0612	8/22/12	1615	245	8	224	8	265	9	245
P001	SS004	1218	8/22/12	1635	210	8	177	8	209	8	199
P001	SS004	1824	8/22/12	1645	245	8	249	8	206	8	233
P001	SS005	SOD	8/23/12	0850	135	6	125	5	116	5	125
P001	SS005	0002	8/23/12	0910	165	6	182	7	163	6	170
P001	SS005	0206	8/23/12	0915	214	7	191	7	194	7	200
P001	SS005	0612	8/23/12	0955	316	9	234	8	268	8	273
P001	SS005	1218	8/23/12	1115	240	8	216	7	241	8	232
P001	SS005	1824	8/23/12	1320	234	8	194	7	231	8	220
P001	SS006	SOD	8/23/12	0855	96	5	85	5	97	5	93
P001	SS006	0002	8/23/12	0900	91	5	99	5	83	5	91
P001	SS006	0206	8/23/12	0930	176	7	149	6	115	5	147
P001	SS006	0612	8/23/12	0945	143	7	157	7	169	7	156
P001	SS006	1218	8/23/12	1110	213	8	193	8	147	6	184
P001	SS006	1824	8/23/12	1330	76	5	120	6	89	5	95
P001	SS007	SOD	8/21/12	1300	58	4	44	4	43	4	48
P001	SS007	0002	8/21/12	1310	41	4	59	4	64	4	55
P001	SS007	0206	8/21/12	1320	140	6	89	5	94	5	108
P001	SS007	0612	8/21/12	1335	100	5	129	6	81	5	103
P001	SS007	1218	8/21/12	1340	88	5	92	5	50	4	77
P001	SS007	1824	8/21/12	1345	64	4	68	5	73	5	68

Results in parts per million (ppm)

Results exceeding the New Jersey Administrative

Code Residential Direct Contact Soil Remediation

Standard (400 ppm) highlighted in red

Table 1
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{ +/- }	Result	{ +/- }	Result	{ +/- }	
P001	SS008	SOD	8/21/12	1110	103	5	64	4	80	5	82
P001	SS008	0002	8/21/12	1115	42	4	55	4	92	5	63
P001	SS008	0206	8/21/12	1125	77	4	72	5	72	4	74
P001	SS008	0612	8/21/12	1140	205	7	208	7	192	7	202
P001	SS008	1218	8/21/12	1150	282	9	239	8	256	8	259
P001	SS008	1824	8/21/12	1200	225	8	211	7	218	7	218
P001	SS009	SOD	8/23/12	1430	148	6	146	6	194	8	163
P001	SS009	0002	8/23/12	1405	138	6	173	7	112	5	141
P001	SS009	0206	8/23/12	1435	140	7	194	8	170	7	168
P001	SS009	0612	8/23/12	1500	339	10	322	10	331	10	331
P001	SS009	1218	8/23/12	1550	313	12	504	12	561	13	459
P001	SS009	1824	8/23/12	1605	663	14	452	11	902	17	672
P001	SS010	SOD	8/22/12	1500	233	9	201	8	231	8	222
P001	SS010	0002	8/22/12	1505	168	6	126	5	162	6	152
P001	SS010	0206	8/22/12	1515	386	11	223	7	366	10	325
P001	SS010	0612	8/22/12	1535	378	11	483	12	249	8	370
P001	SS010	1218	8/22/12	1545	382	10	275	8	324	9	327
P001	SS010	1824	8/22/12	1605	274	11	467	11	339	10	360
P001	SS011	SOD	8/28/12	1130	209	7	222	7	195	7	209
P001	SS011	0002	8/28/12	1135	284	8	211	8	258	8	251
P001	SS011	0206	8/28/12	1210	187	7	214	7	144	6	182
P001	SS011	0612	8/28/12	1245	124	6	267	8	149	6	180
P001	SS011	1218	8/28/12	1350	166	7	246	8	141	6	184
P001	SS011	1824	8/28/12	1415	85	5	180	7	52	4	106
P001	SS012	SOD	8/20/12	1500	464	10	373	8	398	10	412
P001	SS012	0002	8/20/12	1510	628	14	1,069	18	324	9	674
P001	SS012	0206	8/20/12	1515	369	11	321	9	398	11	363
P001	SS012	0612	8/20/12	1525	2,538	37	486	12	625	14	1,216
P001	SS012	1218	8/20/12	1535	1,462	24	1,479	24	690	14	1,210
P001	SS012	1824	8/20/12	1545	493	12	369	10	733	15	532
P001	SS013	SOD	8/20/12	1045	540	13	361	10	287	9	396
P001	SS013	0002	8/20/12	1058	443	11	1,397	23	611	13	817
P001	SS013	0206	8/20/12	1115	779	15	750	15	669	14	733
P001	SS013	0612	8/20/12	1120	748	16	1,058	21	1,068	19	958
P001	SS013	1218	8/20/12	1138	718	15	806	16	849	17	791
P001	SS013	1824	8/20/12	1200	935	18	507	12	410	11	617
P001	SS014	SOD	8/20/12	1220	859	15	188	6	433	11	493
P001	SS014	0002	8/20/12	1225	266	8	355	10	290	8	304
P001	SS014	0206	8/20/12	1235	1,858	28	623	14	2,202	32	1,561
P001	SS014	0612	8/20/12	1335	1,150	21	990	19	910	18	1,017
P001	SS014	1218	8/20/12	1348	2,790	42	1,773	27	2,249	32	2,271
P001	SS014	1824	8/20/12	1408	574	15	560	13	751	15	628

Results in parts per million (ppm)

Results exceeding the New Jersey Administrative

Code Residential Direct Contact Soil Remediation

Standard (400 ppm) highlighted in red

Table 1
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{ +/- }	Result	{ +/- }	Result	{ +/- }	
P001	SS015	SOD	8/20/12	1035	287	8	299	9	227	8	271
P001	SS015	0002	8/20/12	1040	295	8	246	7	901	16	481
P001	SS015	0206	8/20/12	1045	702	15	552	13	535	12	596
P001	SS015	0612	8/20/12	1100	447	11	644	13	667	14	586
P001	SS015	1218	8/20/12	1110	547	13	472	11	437	11	485
P001	SS015	1824	8/20/12	1125	2,908	40	1,566	25	5,206	72	3,227
P001	SS016	SOD	8/24/12	0907	147	6	134	6	146	6	142
P001	SS016	0002	8/24/12	0910	129	5	121	5	197	6	149
P001	SS016	0206	8/24/12	0925	163	6	170	7	191	7	175
P001	SS016	0612	8/24/12	0940	145	7	169	7	189	7	168
P001	SS016	1218	8/24/12	1015	171	7	161	5	131	6	154
P001	SS016	1824	8/24/12	1035	92	6	82	5	76	5	83
P001	SS017	SOD	8/22/12	1315	589	12	287	7	386	10	421
P001	SS017	0002	8/22/12	1317	438	11	528	12	449	11	472
P001	SS017	0206	8/22/12	1336	384	11	459	12	323	9	389
P001	SS017	0612	8/22/12	1352	273	8	282	9	232	8	262
P001	SS017	1218	8/22/12	1417	177	7	182	7	238	8	199
P001	SS017	1824	8/22/12	1450	171	8	132	6	107	6	137
P001	SS018	SOD	8/24/12	1110	124	5	106	5	85	5	105
P001	SS018	0002	8/24/12	1120	160	6	142	6	156	6	153
P001	SS018	0206	8/24/12	1155	443	11	228	8	180	7	284
P001	SS018	0612	8/24/12	1201	168	7	228	8	249	8	215
P001	SS018	1218	8/24/12	1240	176	7	70	5	240	9	162
P001	SS018	1824	8/24/12	1302	166	7	197	7	192	7	185
P001	SS019	SOD	8/24/12	1155	479	11	535	12	510	12	508
P001	SS019	0002	8/24/12	1156	474	11	432	11	476	11	461
P001	SS019	0206	8/24/12	1432	337	10	295	9	255	8	296
P001	SS019	0612	8/24/12	1437	266	9	225	8	245	8	245
P001	SS019	1218	8/24/12	1441	145	7	133	6	196	7	158
P001	SS019	1824	8/24/12	1445	163	6	165	7	205	7	178
P001	SS020	SOD	8/22/12	0840	177	7	173	7	162	7	171
P001	SS020	0002	8/22/12	0845	105	6	159	7	139	6	134
P001	SS020	0206	8/22/12	0915	190	7	171	7	223	8	195
P001	SS020	0612	8/22/12	0940	376	10	195	7	375	10	315
P001	SS020	1218	8/22/12	1015	392	10	279	9	315	9	329
P001	SS020	1824	8/22/12	1035	293	9	213	7	172	7	226
P001	SS021	SOD	8/20/12	1545	121	5	48	5	96	5	88
P001	SS021	0002	8/20/12	1550	110	7	122	6	123	5	118
P001	SS021	0206	8/20/12	1610	230	8	188	8	227	8	215
P001	SS021	0612	8/20/12	1620	191	7	299	9	269	8	253
P001	SS021	1218	8/20/12	1640	134	6	104	5	487	12	242
P001	SS021	1824	8/20/12	1655	137	7	264	8	132	6	178

Results in parts per million (ppm)

Results exceeding the New Jersey Administrative

Code Residential Direct Contact Soil Remediation

Standard (400 ppm) highlighted in red

Table 1
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{ +/- }	Result	{ +/- }	Result	{ +/- }	
P001	SS022	0002	8/22/12	1055	221	8	287	9	267	8	258
P001	SS022	0206	8/22/12	1105	108	6	27	4	132	6	89
P001	SS022	0612	8/22/12	1115	43	4	27	4	33	4	34
P001	SS022	1218	8/22/12	1143	68	5	41	4	43	4	51
P001	SS022	1824	8/22/12	1204	24	4	29	4	19	3	24
P001	SS023	SOD	8/22/12	1300	301	9	616	13	642	13	520
P001	SS023	0002	8/22/12	1103	358	9	404	10	454	11	405
P001	SS023	0206	8/22/12	1120	871	16	876	18	526	13	758
P001	SS023	0612	8/22/12	1145	190	7	301	9	887	16	459
P001	SS023	1218	8/22/12	1205	398	13	760	17	512	13	557
P001	SS023	1824	8/22/12	1225	462	12	100	5	316	11	293
P001	SS024	0002	8/20/12	1330	90	4	116	5	116	4	107
P001	SS024	0206	8/20/12	1345	222	7	289	8	313	8	274
P001	SS024	0612	8/20/12	1404	270	9	275	9	267	8	271
P001	SS024	1218	8/20/12	1415	300	9	332	10	316	10	316
P001	SS024	1824	8/20/12	1425	289	9	271	9	314	9	291
P001	SS025	SOD	8/22/12	1445	233	7	187	7	289	8	236
P001	SS025	0002	8/22/12	1325	317	9	197	8	312	9	275
P001	SS025	0206	8/22/12	1351	285	10	176	8	212	9	224
P001	SS025	0612	8/22/12	1400	151	7	231	8	277	9	220
P001	SS025	1218	8/22/12	1430	138	7	124	6	323	9	195
P001	SS025	1824	8/22/12	1435	205	9	219	8	182	7	202
P001	SS026	SOD	8/28/12	1154	464	10	299	8	443	10	402
P001	SS026	0002	8/28/12	1156	398	10	321	9	285	9	335
P001	SS026	0206	8/28/12	1210	394	11	242	8	249	8	295
P001	SS026	0612	8/28/12	1228	328	9	468	12	262	8	353
P001	SS026	1218	8/28/12	1235	326	9	400	11	409	10	378
P001	SS026	1824	8/28/12	1248	1,530	24	1,826	28	1,642	26	1,666
P001	SS027	SOD	8/24/12	0915	537	12	541	12	417	9	498
P001	SS027	0002	8/24/12	0920	474	11	391	10	350	9	405
P001	SS027	0206	8/24/12	0925	219	8	375	11	538	12	377
P001	SS027	0612	8/24/12	0945	212	7	195	7	174	7	194
P001	SS027	1218	8/24/12	1001	195	7	130	6	150	6	158
P001	SS027	1824	8/24/12	1015	197	7	157	7	124	6	159
P001	SS028	SOD	8/27/12	0900	513	12	407	10	490	11	470
P001	SS028	0002	8/27/12	0905	446	11	667	14	684	13	599
P001	SS028	0206	8/27/12	0930	393	11	389	10	345	10	376
P001	SS028	0612	8/27/12	0950	294	8	229	8	239	8	254
P001	SS028	1218	8/27/12	1000	299	9	301	9	308	9	303
P001	SS028	1824	8/27/12	1015	295	9	111	6	318	9	241

Results in parts per million (ppm)

Results exceeding the New Jersey Administrative

Code Residential Direct Contact Soil Remediation

Standard (400 ppm) highlighted in red

Table 1
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{+/-}	Result	{+/-}	Result	{+/-}	
P001	SS029	SOD	8/24/12	1418	796	15	683	14	601	13	693
P001	SS029	0002	8/24/12	1420	674	14	689	13	630	13	664
P001	SS029	0206	8/24/12	1445	527	12	510	12	598	13	545
P001	SS029	0612	8/24/12	1500	158	6	261	9	220	8	213
P001	SS029	1218	8/24/12	1515	348	10	335	10	242	8	308
P001	SS029	1824	8/24/12	1535	137	6	111	6	228	8	159
P001	SS030	SOD	8/27/12	0900	563	12	571	12	523	11	552
P001	SS030	0002	8/27/12	0910	469	10	411	10	494	11	458
P001	SS030	0206	8/27/12	0925	569	13	471	11	554	12	531
P001	SS030	0612	8/27/12	0930	274	9	260	8	275	9	270
P001	SS030	1218	8/27/12	1015	316	9	249	8	220	8	262
P001	SS030	1824	8/27/12	1105	208	8	295	9	193	7	232
P001	SS031	SOD	8/28/12	0835	605	14	591	13	604	13	600
P001	SS031	0002	8/28/12	0840	478	12	476	12	455	11	470
P001	SS031	0206	8/28/12	0900	546	13	556	13	596	13	566
P001	SS031	0612	8/28/12	0924	581	13	518	12	598	13	566
P001	SS031	1218	8/28/12	1050	434	11	405	10	460	11	433
P001	SS031	1824	8/28/12	1105	466	11	521	12	471	12	486
P001	SS032	SOD	8/28/12	0848	206	7	241	8	226	8	224
P001	SS032	0002	8/28/12	0840	377	10	383	10	349	10	370
P001	SS032	0206	8/28/12	0920	227	8	253	8	254	8	245
P001	SS032	0612	8/28/12	1030	461	12	472	12	437	11	457
P001	SS032	1218	8/28/12	1045	249	9	274	9	260	8	261
P001	SS032	1824	8/28/12	1100	317	9	260	9	-	-	289
P001	SS033	SOD	8/22/12	0840	209	7	224	8	134	7	189
P001	SS033	0002	8/22/12	0850	84	5	237	8	22	3	114
P001	SS033	0206	8/22/12	0855	382	10	392	10	153	6	309
P001	SS033	0612	8/22/12	0930	166	7	197	8	198	7	187
P001	SS033	1218	8/22/12	0952	162	7	147	7	185	7	165
P001	SS033	1824	8/22/12	1010	79	6	123	7	95	6	99
P001	SS034	SOD	8/21/12	1450	273	8	401	10	230	8	301
P001	SS034	0002	8/21/12	1455	322	9	201	7	511	11	345
P001	SS034	0206	8/21/12	1500	244	8	323	9	433	11	333
P001	SS034	0612	8/21/12	1510	357	10	324	9	249	8	310
P001	SS034	1218	8/21/12	1520	689	15	248	8	204	7	380
P001	SS034	1824	8/21/12	1540	129	6	121	6	106	7	119

Results in parts per million (ppm)

Results exceeding the New Jersey Administrative

Code Residential Direct Contact Soil Remediation

Standard (400 ppm) highlighted in red

Table 1
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{ +/- }	Result	{ +/- }	Result	{ +/- }	
P002	SS001	SOD	8/28/12	1515	269	8	2,021	30	892	16	1,061
P002	SS001	0002	8/28/12	1520	1,747	26	1,534	23	1,461	23	1,581
P002	SS001	0206	8/28/12	1530	1,370	21	1,266	20	877	16	1,171
P002	SS001	0612	8/28/12	1548	417	10	382	10	315	9	371
P002	SS001	1218	8/28/12	1553	110	5	123	6	124	6	119
P002	SS001	1824	8/28/12	1606	226	8	268	8	261	8	252
P002	SS002	SOD	8/28/12	1540	1,894	27	2,338	33	1,644	24	1,959
P002	SS002	0002	8/28/12	1545	1,396	22	1,818	26	1,514	22	1,576
P002	SS002	0206	8/28/12	1550	357	10	592	13	613	12	521
P002	SS002	0612	8/28/12	1600	219	7	119	6	377	10	238
P002	SS002	1218	8/28/12	1611	49	4	95	5	196	7	113
P002	SS002	1824	8/28/12	1622	102	5	186	7	94	5	127
P005	SS001	0002	8/30/12	0900	251	8	281	8	301	8	278
P005	SS001	0206	8/30/12	0906	283	8	308	9	299	9	297
P005	SS001	0612	8/30/12	0917	296	9	281	9	266	8	281
P005	SS001	1218	8/30/12	1005	183	7	149	6	189	7	174
P005	SS001	1824	8/30/12	1045	161	7	142	6	141	6	148
P006	SS001	0002	8/30/12	0904	286	8	262	8	222	7	257
P006	SS001	0206	8/30/12	0925	244	8	395	10	280	8	306
P006	SS001	0612	8/30/12	0930	338	9	419	10	371	10	376
P006	SS001	1218	8/30/12	1005	314	9	376	10	341	9	344
P006	SS001	1824	8/30/12	1010	521	12	373	10	380	10	425
P007	SS001	0002	8/30/12	1200	218	7	247	8	244	8	236
P007	SS001	0206	8/30/12	1230	174	7	181	7	173	7	176
P007	SS001	0612	8/30/12	1245	170	7	155	7	139	6	155
P007	SS001	1218	8/30/12	1300	126	6	157	7	136	6	140
P007	SS001	1824	8/30/12	1305	94	5	135	6	135	6	121
P008	SS001	0002	8/30/12	1145	106	6	72	5	70	5	83
P008	SS001	0206	8/30/12	1159	135	6	109	5	117	6	120
P008	SS001	0612	8/30/12	1205	118	6	152	6	124	6	131
P008	SS001	1218	8/30/12	1210	118	6	105	5	108	5	110
P008	SS001	1824	8/30/12	1225	107	5	123	6	146	6	125

Table 2
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Discrete Samples
August 21, 22, and 29, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{+/-}	Result	{+/-}	Result	{+/-}	
P001	SS001-A	0002	8/21/12	0925	179	7	159	6	157	7	165
P001	SS001-A	0206	8/21/12	0940	212	8	277	9	258	8	249
P001	SS001-A	0612	8/21/12	0945	283	9	260	9	377	11	307
P001	SS001-A	1218	8/21/12	0955	215	8	204	7	217	8	212
P001	SS001-A	1824	8/21/12	1010	178	7	139	6	131	6	149
P001	SS007-B	0002	8/21/12	1310	63	4	43	3	42	3	49
P001	SS007-B	0206	8/21/12	1320	101	5	87	5	92	5	93
P001	SS007-B	0612	8/21/12	1335	78	5	80	5	81	5	80
P001	SS007-B	1218	8/21/12	1340	76	5	74	5	68	5	73
P001	SS007-B	1824	8/21/12	1345	67	4	73	5	69	5	70
P001	SS012-F	0002	8/29/12	0858	197	7	192	7	209	7	199
P001	SS012-F	0206	8/29/12	0902	442	12	460	11	596	13	499
P001	SS012-F	0612	8/29/12	0940	332	9	296	9	327	10	318
P001	SS012-F	1218	8/29/12	0950	462	11	437	11	467	11	455
P001	SS012-F	1824	8/29/12	1010	330	9	394	10	576	13	433
P001	SS012-G	0002	8/29/12	0855	554	13	531	12	570	13	552
P001	SS012-G	0206	8/29/12	0905	533	12	513	12	533	12	526
P001	SS012-G	0612	8/29/12	0910	666	14	634	13	526	12	609
P001	SS012-G	1218	8/29/12	0915	427	11	423	11	490	12	447
P001	SS012-G	1824	8/29/12	0921	440	11	407	10	442	11	430
P001	SS012-H	0002	8/29/12	1000	2,113	37	1,638	26	1,468	23	1,740
P001	SS012-H	0206	8/29/12	1005	1,307	23	1,913	33	600	15	1,273
P001	SS012-H	0612	8/29/12	1010	1,043	19	946	19	1,080	19	1,023
P001	SS012-H	1218	8/29/12	1015	1,149	21	878	23	2,206	31	1,411
P001	SS012-H	1824	8/29/12	1020	1,175	22	1,314	22	1,351	22	1,280
P001	SS012-I	0002	8/29/12	0935	277	9	228	7	237	8	247
P001	SS012-I	0206	8/29/12	0940	447	11	441	11	462	12	450
P001	SS012-I	0612	8/29/12	0945	1,190	20	1,112	19	1,489	24	1,264
P001	SS012-I	1218	8/29/12	0950	4,082	55	3,577	57	2,776	39	3,478
P001	SS012-I	1824	8/29/12	0955	1,902	29	1,564	25	1,858	27	1,775
P001	SS013-F	0002	8/29/12	1418	352	10	328	10	324	10	335
P001	SS013-F	0206	8/29/12	1420	442	11	565	13	468	12	492
P001	SS013-F	0612	8/29/12	1425	433	11	354	9	328	9	372
P001	SS013-F	1218	8/29/12	1428	338	9	372	10	326	10	345
P001	SS013-F	1824	8/29/12	1435	408	11	385	11	366	10	386

Results in parts per million (ppm)
Results exceeding the New Jersey Administrative
Code Residential Direct Contact Soil Remediation
Standard (400 ppm) highlighted in red

Table 2
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Discrete Samples
August 21, 22, and 29, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{+/-}	Result	{+/-}	Result	{+/-}	
P001	SS013-G	0002	8/29/12	1346	292	9	319	9	236	8	282
P001	SS013-G	0206	8/29/12	1350	258	8	314	9	521	12	364
P001	SS013-G	0612	8/29/12	1410	143	6	149	6	173	7	155
P001	SS013-G	1218	8/29/12	1415	39	4	33	4	29	4	34
P001	SS013-G	1824	8/29/12	1520	19	3	16	3	21	3	19
P001	SS013-H	0002	8/29/12	1336	234	8	197	6	208	7	213
P001	SS013-H	0206	8/29/12	1340	5,740	77	2,392	38	2,647	37	3,593
P001	SS013-H	0612	8/29/12	1345	916	19	755	21	1,440	30	1,037
P001	SS013-H	1218	8/29/12	1350	129	8	49	6	139	8	106
P001	SS013-H	1824	8/29/12	1355	118	7	48	6	38	5	68
P001	SS013-I	0002	8/29/12	1340	479	12	421	11	370	10	423
P001	SS013-I	0206	8/29/12	1350	1,281	21	1,557	26	973	17	1,270
P001	SS013-I	0612	8/29/12	1400	724	15	704	15	948	18	792
P001	SS013-I	1218	8/29/12	1410	944	18	2,209	33	1,200	21	1,451
P001	SS013-I	1824	8/29/12	1415	489	13	1,053	21	536	13	693
P001	SS014-F	0002	8/29/12	1020	302	9	396	10	378	10	359
P001	SS014-F	0206	8/29/12	1025	109	6	54	4	39	4	67
P001	SS014-F	0612	8/29/12	1030	157	7	133	6	151	6	147
P001	SS014-F	1218	8/29/12	1035	202	7	192	8	63	5	152
P001	SS014-F	1824	8/29/12	1040	25	3	16	3	46	4	29
P001	SS014-G	0002	8/29/12	1020	162	5	167	6	274	8	201
P001	SS014-G	0206	8/29/12	1025	1,390	23	1,511	24	1,178	20	1,360
P001	SS014-G	0612	8/29/12	1030	1,189	20	1,021	18	1,314	23	1,175
P001	SS014-G	1218	8/29/12	1035	2,753	38	2,668	37	1,993	32	2,471
P001	SS014-G	1824	8/29/12	1040	2,030	30	2,476	33	2,073	29	2,193
P001	SS014-H	0002	8/29/12	1125	141	6	163	6	142	6	149
P001	SS014-H	0206	8/29/12	1127	127	6	134	6	125	6	129
P001	SS014-H	0612	8/29/12	1135	96	5	101	5	103	5	100
P001	SS014-H	1218	8/29/12	1140	158	6	175	7	150	6	161
P001	SS014-H	1824	8/29/12	1145	124	6	112	6	107	5	114
P001	SS014-I	0002	8/29/12	1125	252	8	272	8	351	10	292
P001	SS014-I	0206	8/29/12	1127	319	10	619	14	272	10	403
P001	SS014-I	0612	8/29/12	1135	435	12	361	10	493	14	430
P001	SS014-I	1218	8/29/12	1140	268	9	455	12	667	16	463
P001	SS014-I	1824	8/29/12	1145	108	7	179	8	103	7	130

Results in parts per million (ppm)
Results exceeding the New Jersey Administrative
Code Residential Direct Contact Soil Remediation
Standard (400 ppm) highlighted in red

Table 2
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Lead
Discrete Samples
August 21, 22, and 29, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Test 1		Test 2		Test 3		Average
					Result	{+/-}	Result	{+/-}	Result	{+/-}	
P001	SS015-F	0002	8/29/12	1335	404	11	137	6	371	10	304
P001	SS015-F	0206	8/29/12	1340	2,282	33	1,402	23	1,627	28	1,770
P001	SS015-F	0612	8/29/12	1345	1,837	28	1,667	27	1,422	23	1,642
P001	SS015-F	1218	8/29/12	1350	845	17	801	16	998	19	881
P001	SS015-F	1824	8/29/12	1355	839	16	522	12	273	9	545
P001	SS015-G	0002	8/29/12	1323	1,130	20	1,296	24	955	18	1,127
P001	SS015-G	0206	8/29/12	1326	2,876	41	3,151	46	2,937	41	2,988
P001	SS015-G	0612	8/29/12	1328	5,460	74	5,771	79	5,908	80	5,713
P001	SS015-G	1218	8/29/12	1332	3,931	53	4,950	67	3,928	53	4,270
P001	SS015-G	1824	8/29/12	1340	6,962	92	6,885	90	6,743	88	6,863
P001	SS015-H	0002	8/29/12	1301	135	6	136	6	151	6	141
P001	SS015-H	0206	8/29/12	1305	265	8	224	7	267	8	252
P001	SS015-H	0612	8/29/12	1320	388	10	583	13	364	10	445
P001	SS015-H	1218	8/29/12	1325	347	9	325	9	344	10	339
P001	SS015-H	1824	8/29/12	1335	330	9	331	10	374	11	345
P001	SS015-I	0002	8/29/12	1350	325	9	340	9	350	9	338
P001	SS015-I	0206	8/29/12	1400	338	9	318	9	317	9	324
P001	SS015-I	0612	8/29/12	1405	390	10	377	10	454	11	407
P001	SS015-I	1218	8/29/12	1410	463	11	561	13	420	11	481
P001	SS015-I	1824	8/29/12	1415	373	10	393	16	349	10	372
P001	SS022-A	0002	8/22/12	1053	38	4	45	4	50	4	44
P001	SS022-A	0206	8/22/12	1105	24	4	17	3	19	4	20
P001	SS022-A	0612	8/22/12	1120	36	4	67	5	32	4	45
P001	SS022-A	1218	8/22/12	1143	139	6	151	6	149	6	146
P001	SS022-A	1824	8/22/12	1200	38	4	40	4	40	4	39
P001	SS034-D	SOD	8/21/12	1450	183	7	171	7	185	7	180
P001	SS034-D	0002	8/21/12	1455	159	6	181	7	171	7	170
P001	SS034-D	0206	8/21/12	1500	321	9	306	9	339	10	322
P001	SS034-D	0612	8/21/12	1510	540	13	503	13	440	12	494
P001	SS034-D	1218	8/21/12	1520	216	8	207	8	214	8	212
P001	SS034-D	1824	8/21/12	1540	194	8	191	8	204	8	196

Table 3
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Metals
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Iron	Manganese	Nickel	Selenium	Silver	Tin	Zinc
P001	SS001	0002	8/21/12	0925	< LOD	< LOD	< LOD	< LOD	< LOD	547	39	18,783	360	< LOD	< LOD	< LOD	< LOD	162
P001	SS001	0206	8/21/12	0940	< LOD	7	< LOD	< LOD	< LOD	796	52	19,872	379	< LOD	< LOD	< LOD	< LOD	256
P001	SS001	0612	8/21/12	0945	< LOD	12	< LOD	< LOD	< LOD	821	62	20,501	450	< LOD	< LOD	< LOD	< LOD	202
P001	SS001	1218	8/21/12	0955	< LOD	6	< LOD	< LOD	< LOD	781	54	20,198	389	< LOD	< LOD	< LOD	< LOD	199
P001	SS001	1824	8/21/12	1010	< LOD	23	< LOD	< LOD	< LOD	816	63	19,259	367	< LOD	< LOD	< LOD	< LOD	287
P001	SS002	SOD	8/21/12	0917	< LOD	3	< LOD	< LOD	< LOD	704	18	15,859	344	< LOD	< LOD	< LOD	< LOD	103
P001	SS002	0002	8/21/12	0920	< LOD	16	< LOD	< LOD	< LOD	667	32	17,260	371	< LOD	< LOD	< LOD	< LOD	131
P001	SS002	0206	8/21/12	0930	< LOD	14	< LOD	< LOD	< LOD	731	70	20,082	349	< LOD	< LOD	< LOD	188	207
P001	SS002	0612	8/21/12	0935	< LOD	< LOD	< LOD	< LOD	< LOD	856	48	21,667	377	< LOD	< LOD	< LOD	< LOD	122
P001	SS002	1218	8/21/12	0940	< LOD	< LOD	< LOD	< LOD	< LOD	753	53	21,129	339	< LOD	< LOD	< LOD	< LOD	106
P001	SS002	1824	8/21/12	0950	< LOD	< LOD	< LOD	< LOD	< LOD	658	51	16,785	304	< LOD	< LOD	< LOD	< LOD	138
P001	SS003	SOD	8/23/12	1345	< LOD	14	< LOD	< LOD	< LOD	950	38	20,115	481	< LOD	< LOD	< LOD	< LOD	144
P001	SS003	0002	8/23/12	1350	< LOD	4	< LOD	< LOD	< LOD	989	30	22,527	560	< LOD	< LOD	< LOD	< LOD	118
P001	SS003	0206	8/23/12	1540	< LOD	8	< LOD	< LOD	< LOD	1,503	62	36,469	579	< LOD	< LOD	< LOD	< LOD	192
P001	SS003	0612	8/23/12	1550	< LOD	48	< LOD	< LOD	< LOD	945	46	25,603	524	< LOD	< LOD	< LOD	< LOD	379
P001	SS003	1218	8/23/12	1600	25	43	< LOD	< LOD	< LOD	709	45	18,312	342	< LOD	< LOD	< LOD	< LOD	354
P001	SS003	1824	8/23/12	1615	< LOD	86	< LOD	< LOD	< LOD	926	54	20,969	430	< LOD	< LOD	< LOD	< LOD	945
P001	SS004	SOD	8/22/12	1529	< LOD	8	< LOD	< LOD	< LOD	896	36	22,258	457	< LOD	< LOD	< LOD	< LOD	130
P001	SS004	0002	8/22/12	1530	< LOD	< LOD	< LOD	< LOD	< LOD	712	48	20,267	440	< LOD	< LOD	< LOD	< LOD	118
P001	SS004	0206	8/22/12	1550	< LOD	9	< LOD	< LOD	< LOD	821	41	20,713	342	< LOD	< LOD	< LOD	< LOD	132
P001	SS004	0612	8/22/12	1615	< LOD	< LOD	< LOD	< LOD	< LOD	897	56	22,889	406	< LOD	< LOD	< LOD	< LOD	177
P001	SS004	1218	8/22/12	1635	< LOD	< LOD	< LOD	< LOD	< LOD	1,103	48	25,479	456	< LOD	< LOD	< LOD	< LOD	164
P001	SS004	1824	8/22/12	1645	< LOD	6	< LOD	< LOD	< LOD	853	50	20,135	323	< LOD	< LOD	< LOD	< LOD	161
P001	SS005	SOD	8/23/12	0850	< LOD	5	< LOD	< LOD	< LOD	664	29	16,064	355	< LOD	< LOD	< LOD	< LOD	166
P001	SS005	0002	8/23/12	0910	< LOD	< LOD	< LOD	< LOD	< LOD	732	31	16,600	435	< LOD	< LOD	< LOD	< LOD	192
P001	SS005	0206	8/23/12	0915	< LOD	12	< LOD	< LOD	< LOD	700	42	18,141	346	< LOD	< LOD	< LOD	< LOD	152
P001	SS005	0612	8/23/12	0955	< LOD	12	< LOD	< LOD	< LOD	745	44	17,538	576	< LOD	< LOD	< LOD	< LOD	179
P001	SS005	1218	8/23/12	1115	< LOD	7	< LOD	< LOD	< LOD	581	40	16,744	400	< LOD	< LOD	< LOD	< LOD	157
P001	SS005	1824	8/23/12	1320	< LOD	< LOD	< LOD	< LOD	< LOD	729	45	19,045	411	< LOD	< LOD	< LOD	< LOD	177
P001	SS006	SOD	8/23/12	0855	< LOD	< LOD	< LOD	< LOD	< LOD	549	30	15,050	314	< LOD	< LOD	< LOD	< LOD	149
P001	SS006	0002	8/23/12	0900	< LOD	3	< LOD	< LOD	< LOD	663	29	14,495	348	< LOD	< LOD	< LOD	< LOD	153
P001	SS006	0206	8/23/12	0930	< LOD	< LOD	< LOD	< LOD	< LOD	849	51	20,437	434	< LOD	< LOD	< LOD	< LOD	137
P001	SS006	0612	8/23/12	0945	< LOD	7	< LOD	< LOD	< LOD	773	52	20,504	328	< LOD	< LOD	< LOD	< LOD	127
P001	SS006	1218	8/23/12	1110	< LOD	< LOD	< LOD	< LOD	< LOD	839	48	19,967	370	< LOD	< LOD	< LOD	< LOD	145
P001	SS006	1824	8/23/12	1330	< LOD	< LOD	< LOD	< LOD	< LOD	801	26	19,650	400	< LOD	< LOD	< LOD	< LOD	95
P001	SS007	SOD	8/21/12	1300	< LOD	< LOD	< LOD	< LOD	< LOD	842	24	20,689	424	< LOD	< LOD	< LOD	< LOD	99
P001	SS007	0002	8/21/12	1310	< LOD	< LOD	< LOD	< LOD	< LOD	631	< LOD	16,473	332	< LOD	< LOD	< LOD	< LOD	92
P001	SS007	0206	8/21/12	1320	< LOD	4	< LOD	< LOD	< LOD	733	27	18,497	366	< LOD	< LOD	< LOD	< LOD	112
P001	SS007	0612	8/21/12	1335	< LOD	3	< LOD	< LOD	< LOD	638	22	19,754	449	< LOD	< LOD	< LOD	< LOD	110
P001	SS007	1218	8/21/12	1340	< LOD	< LOD	< LOD	< LOD	< LOD	754	28	19,332	344	< LOD	< LOD	< LOD	< LOD	84
P001	SS007	1824	8/21/12	1345	< LOD	< LOD	< LOD	< LOD	< LOD	686	26	18,591	336	< LOD	< LOD	< LOD	< LOD	77

Results in parts per million (ppm)
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Table 3
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Metals
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Iron	Manganese	Nickel	Selenium	Silver	Tin	Zinc
P001	SS008	SOD	8/21/12	1110	< LOD	< LOD	< LOD	< LOD	< LOD	508	17	12,619	431	< LOD	< LOD	< LOD	< LOD	114
P001	SS008	0002	8/21/12	1115	< LOD	3	< LOD	< LOD	< LOD	703	16	16,526	437	< LOD	< LOD	< LOD	< LOD	82
P001	SS008	0206	8/21/12	1125	< LOD	3	< LOD	< LOD	< LOD	562	< LOD	17,025	437	< LOD	< LOD	< LOD	< LOD	92
P001	SS008	0612	8/21/12	1140	< LOD	5	< LOD	< LOD	< LOD	625	39	16,071	279	< LOD	< LOD	< LOD	< LOD	149
P001	SS008	1218	8/21/12	1150	< LOD	< LOD	< LOD	< LOD	< LOD	780	38	19,656	386	< LOD	< LOD	< LOD	< LOD	198
P001	SS008	1824	8/21/12	1200	< LOD	11	< LOD	< LOD	< LOD	644	29	17,631	316	< LOD	< LOD	< LOD	< LOD	155
P001	SS009	SOD	8/23/12	1430	< LOD	< LOD	< LOD	< LOD	< LOD	1,065	47	22,955	396	< LOD	< LOD	< LOD	< LOD	148
P001	SS009	0002	8/23/12	1405	< LOD	8	< LOD	< LOD	< LOD	803	43	16,716	252	< LOD	< LOD	< LOD	< LOD	131
P001	SS009	0206	8/23/12	1435	< LOD	16	< LOD	< LOD	< LOD	1,714	75	41,004	654	< LOD	< LOD	< LOD	< LOD	157
P001	SS009	0612	8/23/12	1500	< LOD	7	< LOD	< LOD	< LOD	900	63	20,133	323	< LOD	< LOD	< LOD	138	175
P001	SS009	1218	8/23/12	1550	< LOD	9	< LOD	< LOD	< LOD	968	70	23,990	333	< LOD	< LOD	< LOD	165	199
P001	SS009	1824	8/23/12	1605	< LOD	15	< LOD	< LOD	< LOD	906	58	23,792	381	< LOD	< LOD	< LOD	25	267
P001	SS010	SOD	8/22/12	1500	< LOD	< LOD	< LOD	< LOD	< LOD	1,025	64	28,155	478	< LOD	< LOD	< LOD	< LOD	183
P001	SS010	0002	8/22/12	1505	< LOD	5	< LOD	< LOD	< LOD	484	44	13,153	208	< LOD	< LOD	< LOD	< LOD	108
P001	SS010	0206	8/22/12	1515	< LOD	15	< LOD	< LOD	< LOD	871	87	23,104	384	< LOD	< LOD	< LOD	77	225
P001	SS010	0612	8/22/12	1535	< LOD	13	< LOD	< LOD	< LOD	999	128	20,785	353	< LOD	< LOD	< LOD	130	218
P001	SS010	1218	8/22/12	1545	< LOD	15	< LOD	< LOD	< LOD	761	105	20,097	327	< LOD	< LOD	< LOD	73	223
P001	SS010	1824	8/22/12	1605	< LOD	16	< LOD	< LOD	< LOD	538	104	18,946	313	< LOD	< LOD	< LOD	99	252
P001	SS011	SOD	8/28/12	1130	< LOD	5	< LOD	< LOD	< LOD	794	51	19,302	285	< LOD	< LOD	< LOD	< LOD	178
P001	SS011	0002	8/28/12	1135	< LOD	< LOD	< LOD	< LOD	118	904	63	20,085	279	< LOD	< LOD	< LOD	44	182
P001	SS011	0206	8/28/12	1210	< LOD	12	< LOD	< LOD	< LOD	791	54	14,217	198	< LOD	< LOD	< LOD	< LOD	135
P001	SS011	0612	8/28/12	1245	< LOD	5	< LOD	< LOD	< LOD	622	46	16,607	225	< LOD	< LOD	< LOD	< LOD	120
P001	SS011	1218	8/28/12	1350	< LOD	5	< LOD	< LOD	< LOD	677	40	17,664	269	< LOD	< LOD	< LOD	< LOD	125
P001	SS011	1824	8/28/12	1415	< LOD	5	< LOD	< LOD	< LOD	615	36	17,540	209	< LOD	< LOD	< LOD	< LOD	89
P001	SS012	SOD	8/20/12	1500	< LOD	< LOD	< LOD	< LOD	< LOD	395	275	10,726	204	< LOD	< LOD	< LOD	235	231
P001	SS012	0002	8/20/12	1510	< LOD	21	< LOD	< LOD	< LOD	653	172	15,129	297	< LOD	< LOD	< LOD	544	310
P001	SS012	0206	8/20/12	1515	< LOD	25	< LOD	< LOD	< LOD	689	115	17,980	305	< LOD	< LOD	< LOD	159	273
P001	SS012	0612	8/20/12	1525	< LOD	36	< LOD	< LOD	61	920	240	25,054	468	< LOD	< LOD	< LOD	1,983	448
P001	SS012	1218	8/20/12	1535	< LOD	71	< LOD	< LOD	< LOD	722	333	20,511	363	< LOD	< LOD	< LOD	1,051	622
P001	SS012	1824	8/20/12	1545	< LOD	34	< LOD	< LOD	< LOD	767	394	17,410	445	< LOD	< LOD	< LOD	316	660
P001	SS013	SOD	8/20/12	1045	< LOD	14	< LOD	< LOD	< LOD	779	111	21,083	290	< LOD	< LOD	< LOD	251	260
P001	SS013	0002	8/20/12	1058	< LOD	10	< LOD	< LOD	< LOD	1,013	213	22,487	344	< LOD	< LOD	< LOD	1,021	371
P001	SS013	0206	8/20/12	1115	< LOD	12	< LOD	< LOD	< LOD	884	156	22,615	338	< LOD	< LOD	< LOD	557	333
P001	SS013	0612	8/20/12	1120	< LOD	16	< LOD	< LOD	< LOD	1,014	233	26,644	469	< LOD	< LOD	< LOD	989	431
P001	SS013	1218	8/20/12	1138	< LOD	< LOD	< LOD	< LOD	< LOD	778	139	22,216	310	< LOD	< LOD	< LOD	1,188	323
P001	SS013	1824	8/20/12	1200	< LOD	13	< LOD	< LOD	< LOD	808	129	20,379	286	< LOD	< LOD	< LOD	608	305
P001	SS014	SOD	8/20/12	1220	< LOD	< LOD	< LOD	< LOD	< LOD	523	172	13,021	170	< LOD	< LOD	< LOD	161	441
P001	SS014	0002	8/20/12	1225	< LOD	11	< LOD	< LOD	< LOD	661	135	17,311	331	< LOD	< LOD	< LOD	103	343
P001	SS014	0206	8/20/12	1235	28	62	< LOD	< LOD	< LOD	1,048	730	27,147	493	< LOD	< LOD	< LOD	865	817
P001	SS014	0612	8/20/12	1335	< LOD	62	< LOD	< LOD	< LOD	1,256	719	28,260	448	< LOD	< LOD	< LOD	582	846
P001	SS014	1218	8/20/12	1348	< LOD	91	< LOD	< LOD	< LOD	1,091	621	23,212	387	< LOD	< LOD	< LOD	2,037	738
P001	SS014	1824	8/20/12	1408	< LOD	11	< LOD	< LOD	< LOD	937	297	23,080	338	< LOD	< LOD	< LOD	489	609

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Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Iron	Manganese	Nickel	Selenium	Silver	Tin	Zinc
P001	SS015	SOD	8/20/12	1035	< LOD	< LOD	< LOD	< LOD	< LOD	626	57	16,178	251	< LOD	< LOD	< LOD	113	169
P001	SS015	0002	8/20/12	1040	< LOD	9	< LOD	< LOD	< LOD	569	80	12,472	239	< LOD	< LOD	< LOD	400	248
P001	SS015	0206	8/20/12	1045	< LOD	17	< LOD	< LOD	< LOD	839	179	21,807	332	< LOD	< LOD	< LOD	331	411
P001	SS015	0612	8/20/12	1100	< LOD	21	< LOD	< LOD	< LOD	710	245	19,120	310	< LOD	< LOD	< LOD	481	650
P001	SS015	1218	8/20/12	1110	< LOD	< LOD	< LOD	< LOD	< LOD	667	174	19,323	272	< LOD	< LOD	< LOD	333	410
P001	SS015	1824	8/20/12	1125	< LOD	82	< LOD	15	< LOD	962	600	23,329	405	< LOD	< LOD	< LOD	4,061	1,406
P001	SS016	SOD	8/24/12	0907	< LOD	< LOD	< LOD	< LOD	< LOD	533	35	13,220	195	< LOD	< LOD	< LOD	< LOD	101
P001	SS016	0002	8/24/12	0910	< LOD	< LOD	< LOD	< LOD	< LOD	338	23	10,021	244	< LOD	< LOD	< LOD	< LOD	108
P001	SS016	0206	8/24/12	0925	< LOD	5	< LOD	< LOD	< LOD	547	46	14,298	274	< LOD	< LOD	< LOD	< LOD	132
P001	SS016	0612	8/24/12	0940	< LOD	< LOD	< LOD	< LOD	< LOD	390	41	15,881	266	< LOD	< LOD	< LOD	< LOD	129
P001	SS016	1218	8/24/12	1015	< LOD	4	< LOD	< LOD	< LOD	432	34	13,541	241	< LOD	< LOD	< LOD	< LOD	95
P001	SS016	1824	8/24/12	1035	< LOD	< LOD	< LOD	< LOD	< LOD	603	11	18,181	266	< LOD	< LOD	< LOD	< LOD	83
P001	SS017	SOD	8/22/12	1315	< LOD	22	< LOD	< LOD	< LOD	589	84	14,316	211	< LOD	< LOD	< LOD	< LOD	368
P001	SS017	0002	8/22/12	1317	< LOD	73	< LOD	< LOD	133	673	111	16,544	272	< LOD	< LOD	< LOD	< LOD	418
P001	SS017	0206	8/22/12	1336	< LOD	8	< LOD	< LOD	< LOD	834	93	22,586	368	< LOD	< LOD	< LOD	< LOD	335
P001	SS017	0612	8/22/12	1352	< LOD	< LOD	< LOD	< LOD	< LOD	892	54	22,127	358	< LOD	< LOD	< LOD	< LOD	192
P001	SS017	1218	8/22/12	1417	< LOD	17	< LOD	< LOD	< LOD	953	54	22,729	492	< LOD	< LOD	< LOD	< LOD	159
P001	SS017	1824	8/22/12	1450	< LOD	5	< LOD	< LOD	< LOD	836	42	20,315	404	< LOD	< LOD	< LOD	< LOD	120
P001	SS018	SOD	8/24/12	1110	< LOD	< LOD	< LOD	< LOD	< LOD	427	21	11,147	189	< LOD	< LOD	< LOD	< LOD	122
P001	SS018	0002	8/24/12	1120	< LOD	5	< LOD	< LOD	< LOD	473	32	11,844	197	< LOD	< LOD	< LOD	< LOD	139
P001	SS018	0206	8/24/12	1155	< LOD	10	< LOD	< LOD	< LOD	609	74	17,942	337	< LOD	< LOD	< LOD	114	499
P001	SS018	0612	8/24/12	1201	< LOD	14	< LOD	< LOD	< LOD	802	62	22,890	402	< LOD	< LOD	< LOD	< LOD	197
P001	SS018	1218	8/24/12	1240	< LOD	7	< LOD	< LOD	< LOD	819	36	20,506	319	< LOD	< LOD	< LOD	< LOD	130
P001	SS018	1824	8/24/12	1302	< LOD	15	< LOD	< LOD	< LOD	932	57	20,873	362	< LOD	< LOD	< LOD	< LOD	188
P001	SS019	SOD	8/24/12	1155	< LOD	17	< LOD	< LOD	< LOD	634	108	19,213	375	< LOD	< LOD	< LOD	< LOD	516
P001	SS019	0002	8/24/12	1156	< LOD	< LOD	< LOD	< LOD	< LOD	729	92	19,327	275	< LOD	< LOD	< LOD	< LOD	455
P001	SS019	0206	8/24/12	1432	< LOD	6	< LOD	< LOD	< LOD	1,031	95	26,865	669	< LOD	< LOD	< LOD	25	261
P001	SS019	0612	8/24/12	1437	< LOD	21	< LOD	< LOD	46	996	84	26,408	594	< LOD	< LOD	< LOD	< LOD	240
P001	SS019	1218	8/24/12	1441	< LOD	4	< LOD	< LOD	< LOD	707	32	20,944	516	< LOD	< LOD	< LOD	< LOD	150
P001	SS019	1824	8/24/12	1445	< LOD	5	< LOD	< LOD	< LOD	490	47	16,006	384	< LOD	< LOD	< LOD	< LOD	166
P001	SS020	SOD	8/22/12	0840	< LOD	< LOD	< LOD	< LOD	< LOD	674	45	17,322	269	< LOD	< LOD	< LOD	< LOD	222
P001	SS020	0002	8/22/12	0845	< LOD	< LOD	< LOD	< LOD	< LOD	524	35	16,694	239	< LOD	< LOD	< LOD	< LOD	154
P001	SS020	0206	8/22/12	0915	< LOD	< LOD	< LOD	< LOD	< LOD	578	51	18,317	285	< LOD	< LOD	< LOD	< LOD	185
P001	SS020	0612	8/22/12	0940	< LOD	< LOD	< LOD	< LOD	< LOD	684	74	16,916	293	< LOD	< LOD	< LOD	< LOD	238
P001	SS020	1218	8/22/12	1015	< LOD	13	< LOD	< LOD	< LOD	593	65	18,368	280	< LOD	< LOD	< LOD	< LOD	298
P001	SS020	1824	8/22/12	1035	< LOD	< LOD	< LOD	< LOD	< LOD	767	51	17,916	244	< LOD	< LOD	< LOD	< LOD	186
P001	SS021	SOD	8/20/12	1545	< LOD	< LOD	< LOD	< LOD	< LOD	405	8	11,520	199	< LOD	< LOD	< LOD	< LOD	148
P001	SS021	0002	8/20/12	1550	< LOD	5	< LOD	< LOD	< LOD	522	27	12,461	149	< LOD	< LOD	< LOD	< LOD	193
P001	SS021	0206	8/20/12	1610	< LOD	5	< LOD	< LOD	< LOD	733	43	19,359	344	< LOD	< LOD	< LOD	< LOD	209
P001	SS021	0612	8/20/12	1620	< LOD	< LOD	< LOD	< LOD	< LOD	699	37	16,754	309	< LOD	< LOD	< LOD	< LOD	177
P001	SS021	1218	8/20/12	1640	< LOD	8	< LOD	< LOD	< LOD	840	53	17,075	677	< LOD	< LOD	< LOD	< LOD	132
P001	SS021	1824	8/20/12	1655	< LOD	< LOD	< LOD	< LOD	< LOD	641	44	16,839	293	< LOD	< LOD	< LOD	< LOD	179

Results in parts per million (ppm)
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Table 3
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Metals
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Iron	Manganese	Nickel	Selenium	Silver	Tin	Zinc
P001	SS022	0002	8/22/12	1055	< LOD	12	< LOD	< LOD	< LOD	521	44	19,572	371	< LOD	< LOD	< LOD	< LOD	211
P001	SS022	0206	8/22/12	1105	< LOD	< LOD	< LOD	< LOD	< LOD	345	26	21,288	425	< LOD	< LOD	< LOD	< LOD	104
P001	SS022	0612	8/22/12	1115	< LOD	< LOD	< LOD	< LOD	< LOD	493	28	18,416	307	< LOD	< LOD	< LOD	< LOD	67
P001	SS022	1218	8/22/12	1143	< LOD	< LOD	< LOD	< LOD	< LOD	477	38	14,320	368	< LOD	< LOD	< LOD	< LOD	79
P001	SS022	1824	8/22/12	1204	< LOD	< LOD	< LOD	< LOD	< LOD	562	36	17,341	372	< LOD	< LOD	< LOD	< LOD	50
P001	SS023	SOD	8/22/12	1300	< LOD	22	< LOD	< LOD	< LOD	777	61	18,237	263	< LOD	< LOD	< LOD	122	270
P001	SS023	0002	8/22/12	1103	< LOD	7	< LOD	< LOD	< LOD	582	48	14,765	288	< LOD	< LOD	< LOD	143	180
P001	SS023	0206	8/22/12	1120	< LOD	13	< LOD	< LOD	< LOD	706	97	16,075	251	< LOD	< LOD	< LOD	386	246
P001	SS023	0612	8/22/12	1145	< LOD	10	< LOD	< LOD	< LOD	583	64	15,680	261	< LOD	< LOD	< LOD	179	143
P001	SS023	1218	8/22/12	1205	< LOD	< LOD	< LOD	< LOD	< LOD	665	63	15,995	287	< LOD	< LOD	< LOD	292	187
P001	SS023	1824	8/22/12	1225	< LOD	< LOD	< LOD	< LOD	< LOD	558	56	15,645	288	< LOD	< LOD	< LOD	121	144
P001	SS024	0002	8/20/12	1330	< LOD	9	< LOD	< LOD	< LOD	200	< LOD	6,321	126	< LOD	< LOD	< LOD	< LOD	110
P001	SS024	0206	8/20/12	1345	< LOD	13	< LOD	< LOD	< LOD	637	51	14,261	379	< LOD	< LOD	< LOD	89	186
P001	SS024	0612	8/20/12	1404	< LOD	11	< LOD	< LOD	< LOD	905	53	21,471	462	< LOD	< LOD	< LOD	59	145
P001	SS024	1218	8/20/12	1415	< LOD	6	< LOD	< LOD	< LOD	670	52	16,158	450	< LOD	< LOD	< LOD	127	158
P001	SS024	1824	8/20/12	1425	< LOD	15	< LOD	< LOD	< LOD	601	49	19,156	365	< LOD	< LOD	< LOD	96	171
P001	SS025	SOD	8/22/12	1445	< LOD	< LOD	< LOD	< LOD	< LOD	532	47	13,243	181	< LOD	< LOD	< LOD	22	279
P001	SS025	0002	8/22/12	1325	< LOD	15	< LOD	< LOD	< LOD	505	54	13,772	190	< LOD	< LOD	< LOD	53	421
P001	SS025	0206	8/22/12	1351	< LOD	9	< LOD	< LOD	< LOD	1,004	49	20,388	306	< LOD	< LOD	< LOD	< LOD	254
P001	SS025	0612	8/22/12	1400	< LOD	< LOD	< LOD	< LOD	< LOD	571	50	18,665	305	< LOD	< LOD	< LOD	23	147
P001	SS025	1218	8/22/12	1430	< LOD	7	< LOD	< LOD	< LOD	709	41	16,766	271	< LOD	< LOD	< LOD	< LOD	163
P001	SS025	1824	8/22/12	1435	< LOD	5	< LOD	< LOD	< LOD	710	49	16,942	324	< LOD	< LOD	< LOD	< LOD	151
P001	SS026	SOD	8/28/12	1154	< LOD	22	< LOD	< LOD	< LOD	583	60	11,438	153	< LOD	< LOD	< LOD	< LOD	348
P001	SS026	0002	8/28/12	1156	< LOD	7	< LOD	< LOD	< LOD	582	82	13,701	199	< LOD	< LOD	< LOD	< LOD	341
P001	SS026	0206	8/28/12	1210	< LOD	6	< LOD	< LOD	< LOD	671	85	17,823	320	< LOD	< LOD	< LOD	< LOD	287
P001	SS026	0612	8/28/12	1228	< LOD	18	< LOD	< LOD	< LOD	795	49	17,601	325	< LOD	< LOD	< LOD	< LOD	202
P001	SS026	1218	8/28/12	1235	< LOD	6	< LOD	< LOD	< LOD	698	89	17,631	266	< LOD	< LOD	< LOD	38	219
P001	SS026	1824	8/28/12	1248	< LOD	64	< LOD	< LOD	< LOD	890	103	20,914	419	< LOD	< LOD	< LOD	< LOD	1,011
P001	SS027	SOD	8/24/12	0915	< LOD	18	< LOD	< LOD	< LOD	621	87	15,631	269	< LOD	< LOD	< LOD	< LOD	467
P001	SS027	0002	8/24/12	0920	< LOD	< LOD	< LOD	< LOD	< LOD	655	78	15,058	501	< LOD	< LOD	< LOD	< LOD	352
P001	SS027	0206	8/24/12	0925	< LOD	10	< LOD	< LOD	< LOD	451	110	16,097	214	< LOD	< LOD	< LOD	< LOD	322
P001	SS027	0612	8/24/12	0945	< LOD	< LOD	< LOD	< LOD	< LOD	677	62	19,912	323	< LOD	< LOD	< LOD	< LOD	168
P001	SS027	1218	8/24/12	1001	< LOD	9	< LOD	< LOD	< LOD	888	48	20,662	314	< LOD	< LOD	< LOD	< LOD	152
P001	SS027	1824	8/24/12	1015	< LOD	8	< LOD	< LOD	< LOD	642	63	21,936	280	< LOD	< LOD	< LOD	< LOD	148
P001	SS028	SOD	8/27/12	0900	< LOD	15	< LOD	< LOD	< LOD	582	106	17,687	279	< LOD	< LOD	< LOD	< LOD	457
P001	SS028	0002	8/27/12	0905	< LOD	9	< LOD	< LOD	< LOD	724	109	18,279	259	< LOD	< LOD	< LOD	51	491
P001	SS028	0206	8/27/12	0930	< LOD	36	< LOD	< LOD	< LOD	792	79	19,716	286	< LOD	< LOD	< LOD	< LOD	341
P001	SS028	0612	8/27/12	0950	< LOD	8	< LOD	< LOD	< LOD	774	50	20,462	324	< LOD	< LOD	< LOD	< LOD	201
P001	SS028	1218	8/27/12	1000	< LOD	13	< LOD	< LOD	< LOD	874	49	21,614	362	< LOD	< LOD	< LOD	< LOD	203
P001	SS028	1824	8/27/12	1015	< LOD	< LOD	< LOD	< LOD	< LOD	936	66	24,139	402	< LOD	< LOD	< LOD	< LOD	176

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Table 3
MC Canfield and Sons Site
X-Ray Fluorescence (XRF) Soil Screening Results for Metals
Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Iron	Manganese	Nickel	Selenium	Silver	Tin	Zinc
P001	SS029	SOD	8/24/12	1418	< LOD	18	< LOD	< LOD	< LOD	644	118	18,130	267	< LOD	< LOD	< LOD	50	589
P001	SS029	0002	8/24/12	1420	< LOD	19	< LOD	< LOD	< LOD	691	123	17,630	268	< LOD	< LOD	< LOD	60	562
P001	SS029	0206	8/24/12	1445	< LOD	28	< LOD	< LOD	< LOD	718	117	22,013	399	< LOD	< LOD	< LOD	24	460
P001	SS029	0612	8/24/12	1500	< LOD	14	< LOD	< LOD	< LOD	1,377	59	30,832	701	< LOD	< LOD	< LOD	< LOD	171
P001	SS029	1218	8/24/12	1515	< LOD	11	< LOD	< LOD	< LOD	1,040	70	24,201	525	< LOD	< LOD	< LOD	< LOD	261
P001	SS029	1824	8/24/12	1535	< LOD	15	< LOD	< LOD	< LOD	722	247	20,806	382	< LOD	< LOD	< LOD	< LOD	156
P001	SS030	SOD	8/27/12	0900	< LOD	< LOD	< LOD	< LOD	< LOD	560	110	16,893	264	< LOD	< LOD	< LOD	27	481
P001	SS030	0002	8/27/12	0910	< LOD	22	< LOD	< LOD	< LOD	504	110	15,147	267	< LOD	< LOD	< LOD	< LOD	415
P001	SS030	0206	8/27/12	0925	< LOD	25	< LOD	< LOD	< LOD	711	200	21,037	298	86	< LOD	< LOD	23	517
P001	SS030	0612	8/27/12	0930	< LOD	12	< LOD	< LOD	< LOD	851	76	21,904	330	< LOD	< LOD	< LOD	< LOD	208
P001	SS030	1218	8/27/12	1015	< LOD	12	< LOD	< LOD	< LOD	810	55	23,146	455	< LOD	< LOD	< LOD	< LOD	156
P001	SS030	1824	8/27/12	1105	< LOD	< LOD	< LOD	< LOD	< LOD	665	66	21,270	480	< LOD	< LOD	< LOD	< LOD	173
P001	SS031	SOD	8/28/12	0835	< LOD	31	< LOD	< LOD	< LOD	860	84	23,721	418	< LOD	< LOD	< LOD	112	323
P001	SS031	0002	8/28/12	0840	< LOD	28	< LOD	< LOD	< LOD	770	79	21,059	484	< LOD	< LOD	< LOD	< LOD	310
P001	SS031	0206	8/28/12	0900	< LOD	19	< LOD	< LOD	< LOD	883	81	21,644	470	< LOD	< LOD	< LOD	131	276
P001	SS031	0612	8/28/12	0924	< LOD	29	< LOD	< LOD	< LOD	666	71	22,731	423	< LOD	< LOD	< LOD	75	291
P001	SS031	1218	8/28/12	1050	< LOD	16	< LOD	< LOD	< LOD	758	60	17,520	298	< LOD	< LOD	< LOD	36	226
P001	SS031	1824	8/28/12	1105	< LOD	33	< LOD	< LOD	< LOD	751	67	19,517	440	< LOD	< LOD	< LOD	24	235
P001	SS032	SOD	8/28/12	0848	< LOD	5	< LOD	< LOD	< LOD	892	47	23,388	384	< LOD	< LOD	< LOD	< LOD	161
P001	SS032	0002	8/28/12	0840	< LOD	6	< LOD	< LOD	< LOD	598	68	22,819	606	< LOD	< LOD	< LOD	< LOD	242
P001	SS032	0206	8/28/12	0920	< LOD	7	< LOD	< LOD	< LOD	727	73	26,388	545	< LOD	< LOD	< LOD	< LOD	234
P001	SS032	0612	8/28/12	1030	< LOD	33	< LOD	< LOD	< LOD	703	52	24,403	383	< LOD	< LOD	< LOD	< LOD	239
P001	SS032	1218	8/28/12	1045	< LOD	< LOD	< LOD	< LOD	< LOD	710	42	21,104	461	< LOD	< LOD	< LOD	< LOD	165
P001	SS032	1824	8/28/12	1100	< LOD	< LOD	< LOD	< LOD	< LOD	844	50	20,236	335	< LOD	< LOD	< LOD	< LOD	165
P001	SS033	SOD	8/22/12	0840	< LOD	8	< LOD	< LOD	< LOD	479	47	11,306	190	< LOD	< LOD	< LOD	< LOD	139
P001	SS033	0002	8/22/12	0850	< LOD	17	< LOD	< LOD	< LOD	757	24	25,914	471	< LOD	< LOD	< LOD	< LOD	110
P001	SS033	0206	8/22/12	0855	< LOD	5	< LOD	< LOD	< LOD	730	60	20,944	332	< LOD	< LOD	< LOD	< LOD	208
P001	SS033	0612	8/22/12	0930	< LOD	7	< LOD	< LOD	< LOD	806	47	24,349	399	< LOD	< LOD	< LOD	< LOD	146
P001	SS033	1218	8/22/12	0952	< LOD	5	< LOD	< LOD	< LOD	1,024	49	30,336	497	< LOD	< LOD	< LOD	< LOD	126
P001	SS033	1824	8/22/12	1010	< LOD	4	< LOD	< LOD	< LOD	1,721	73	53,490	746	< LOD	< LOD	< LOD	< LOD	109
P001	SS034	SOD	8/21/12	1450	< LOD	23	< LOD	< LOD	< LOD	748	79	18,497	318	< LOD	< LOD	< LOD	< LOD	271
P001	SS034	0002	8/21/12	1455	< LOD	7	< LOD	< LOD	< LOD	599	80	17,352	353	< LOD	< LOD	< LOD	< LOD	316
P001	SS034	0206	8/21/12	1500	< LOD	7	< LOD	< LOD	< LOD	750	89	21,016	337	< LOD	< LOD	< LOD	< LOD	278
P001	SS034	0612	8/21/12	1510	< LOD	19	< LOD	< LOD	< LOD	827	85	23,538	370	< LOD	< LOD	< LOD	< LOD	281
P001	SS034	1218	8/21/12	1520	< LOD	< LOD	< LOD	< LOD	< LOD	1,004	57	22,710	384	< LOD	< LOD	< LOD	< LOD	158
P001	SS034	1824	8/21/12	1540	< LOD	4	< LOD	< LOD	< LOD	1,197	56	33,810	536	< LOD	< LOD	< LOD	< LOD	105

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Composite Samples
August 20 - 30, 2012

Property Number	Sample Location	Sample Depth	Sample Date	Collection Time	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Iron	Manganese	Nickel	Selenium	Silver	Tin	Zinc
P002	SS001	SOD	8/28/12	1515	< LOD	47	< LOD	< LOD	< LOD	582	119	14,385	199	< LOD	< LOD	< LOD	< LOD	590
P002	SS001	0002	8/28/12	1520	< LOD	77	< LOD	< LOD	< LOD	626	170	18,885	290	< LOD	< LOD	< LOD	61	606
P002	SS001	0206	8/28/12	1530	< LOD	50	< LOD	< LOD	< LOD	657	99	16,735	318	< LOD	< LOD	< LOD	< LOD	366
P002	SS001	0612	8/28/12	1548	< LOD	16	< LOD	< LOD	< LOD	643	68	16,774	288	< LOD	< LOD	< LOD	< LOD	232
P002	SS001	1218	8/28/12	1553	< LOD	5	< LOD	< LOD	< LOD	626	32	15,287	294	< LOD	< LOD	< LOD	< LOD	132
P002	SS001	1824	8/28/12	1606	< LOD	< LOD	< LOD	< LOD	< LOD	728	40	15,585	236	< LOD	< LOD	< LOD	< LOD	155
P002	SS002	SOD	8/28/12	1540	< LOD	44	< LOD	< LOD	< LOD	640	242	16,048	564	< LOD	< LOD	< LOD	43	776
P002	SS002	0002	8/28/12	1545	< LOD	79	< LOD	< LOD	< LOD	632	179	14,788	280	< LOD	< LOD	< LOD	< LOD	696
P002	SS002	0206	8/28/12	1550	< LOD	29	< LOD	< LOD	< LOD	507	49	14,044	310	< LOD	< LOD	< LOD	< LOD	433
P002	SS002	0612	8/28/12	1600	< LOD	< LOD	< LOD	< LOD	< LOD	678	22	15,221	311	< LOD	< LOD	< LOD	< LOD	411
P002	SS002	1218	8/28/12	1611	< LOD	< LOD	< LOD	< LOD	< LOD	532	25	15,230	263	< LOD	< LOD	< LOD	< LOD	99
P002	SS002	1824	8/28/12	1622	< LOD	4	< LOD	< LOD	< LOD	557	31	14,455	310	< LOD	< LOD	< LOD	< LOD	99
P005	SS001	0002	8/30/12	0900	< LOD	13	< LOD	< LOD	< LOD	591	47	14,825	210	< LOD	< LOD	< LOD	< LOD	174
P005	SS001	0206	8/30/12	0906	< LOD	6	< LOD	< LOD	< LOD	454	47	15,942	250	16	< LOD	< LOD	< LOD	171
P005	SS001	0612	8/30/12	0917	< LOD	6	< LOD	< LOD	< LOD	641	37	16,814	229	< LOD	< LOD	< LOD	< LOD	143
P005	SS001	1218	8/30/12	1005	< LOD	4	< LOD	< LOD	< LOD	663	34	17,749	321	< LOD	< LOD	< LOD	< LOD	107
P005	SS001	1824	8/30/12	1045	< LOD	4	< LOD	< LOD	< LOD	516	32	17,975	261	< LOD	< LOD	< LOD	< LOD	104
P006	SS001	0002	8/30/12	0904	< LOD	6	< LOD	< LOD	< LOD	535	47	16,612	272	< LOD	< LOD	< LOD	< LOD	177
P006	SS001	0206	8/30/12	0925	< LOD	< LOD	< LOD	< LOD	< LOD	591	52	18,077	280	< LOD	< LOD	< LOD	< LOD	191
P006	SS001	0612	8/30/12	0930	< LOD	18	< LOD	< LOD	< LOD	558	57	15,365	301	< LOD	< LOD	< LOD	< LOD	222
P006	SS001	1218	8/30/12	1005	< LOD	7	< LOD	< LOD	< LOD	639	38	16,353	344	< LOD	< LOD	< LOD	< LOD	193
P006	SS001	1824	8/30/12	1010	< LOD	7	< LOD	< LOD	< LOD	556	46	17,056	311	< LOD	< LOD	< LOD	< LOD	259
P007	SS001	0002	8/30/12	1200	< LOD	5	< LOD	< LOD	< LOD	720	55	16,229	246	< LOD	< LOD	< LOD	< LOD	173
P007	SS001	0206	8/30/12	1230	< LOD	5	< LOD	< LOD	< LOD	987	63	26,039	442	< LOD	< LOD	< LOD	< LOD	167
P007	SS001	0612	8/30/12	1245	< LOD	< LOD	< LOD	< LOD	< LOD	949	64	21,613	369	29	< LOD	< LOD	< LOD	140
P007	SS001	1218	8/30/12	1300	< LOD	< LOD	< LOD	< LOD	< LOD	763	42	18,170	249	< LOD	< LOD	< LOD	< LOD	126
P007	SS001	1824	8/30/12	1305	< LOD	5	< LOD	< LOD	< LOD	563	36	16,938	306	< LOD	< LOD	< LOD	< LOD	104
P008	SS001	0002	8/30/12	1145	< LOD	< LOD	< LOD	< LOD	< LOD	619	31	15,853	304	< LOD	< LOD	< LOD	< LOD	85
P008	SS001	0206	8/30/12	1159	< LOD	4	< LOD	< LOD	< LOD	558	39	15,418	219	< LOD	< LOD	< LOD	< LOD	109
P008	SS001	0612	8/30/12	1205	< LOD	5	< LOD	< LOD	< LOD	572	28	15,198	260	< LOD	< LOD	< LOD	< LOD	97
P008	SS001	1218	8/30/12	1210	< LOD	4	< LOD	< LOD	< LOD	597	17	16,157	254	14	< LOD	< LOD	< LOD	97
P008	SS001	1824	8/30/12	1225	< LOD	< LOD	< LOD	< LOD	< LOD	507	19	15,778	312	< LOD	< LOD	< LOD	< LOD	92

Results in parts per million (ppm)
< LOD = Below Limit of Detection
Results exceeding the NJAC Residential Direct Contact Soil
Remediation Standard (400 ppm) highlighted in red

Table 4
MC Canfield and Sons Site
Validated Analytical Results for TAL Metals
August 20-30, 2012

	RST 2 Sample ID	P001-SS001-1824-001	P001-SS001-A-0206-001	P001-SS003-0206-001	P001-SS003-1824-001	P001-SS005-0206-001	P001-SS007-0002-001	P001-SS007-0002-002	P001-SS008-1218-001	P001-SS009-1824-001	P001-SS011-0612-001	P001-SS011-0612-002	P001-SS012-0612-001	P001-SS014-SOD-001	P001-SS015-1824-001	P001-SS020-0002-001	P001-SS022-A-0206-001	P001-SS023-0002-001	P001-SS023-SOD-001
	CLP Sample ID	MBAEN7	MBAEN8	MBAEQ0	MBAEQ5	MBAEQ1	MBAEN9	MBAEP0	MBAEP1	MBAEQ2	MBAEQ6	MBAEQ7	MBAEP2	MBAEP3	MBAEP4	MBAEQ3	MBAEP5	MBAEP6	MBAEP7
Metal	Residential Direct Contact Soil Remediation Standard*																		
Aluminum	78,000	7,150	6,620	10,200	7,520	5,880	8,040	7,700	7,000	7,260	6,430	5,970	8,700	6,210	6,040	6,620	14,500	5,490	6,430
Antimony	31	U	U	U	U	U	U	U	U	U	U	U	11.1	U	14.2	U	U	U	U
Arsenic	19	4.7	2.7	3.4	6.1	3.5	3.3	3.2	3.1	3.0	4.3	4.6	6.0	6.2	5.7	3.5	2.0	4.9	4.5
Barium	16,000	207	112	141	823	180	61.7	61.2	180	196	66.3	81.9	220	82.3	118	82.6	106	139	152
Beryllium	16	0.40 J	0.46 J	0.36 J	0.34 J	0.28 J	0.29 J	0.26 J	0.34 J	0.30 J	0.27 J	0.28 J	0.43 J	0.33 J	0.30 J	0.31 J	0.65	0.30 J	0.31 J
Cadmium	78	0.65	0.40 J	0.45 J	1.7	0.49 J	0.45 J	0.47 J	0.50 J	0.57	0.31 J	0.33 J	0.70	1.1	1.4	0.50 J	0.22 J	0.69 J	0.73
Calcium	NA	11,700	5,860	5,080	26,800	10,400	4,720	4,650	11,200	8,980	3,040	2,690	7,100	4,430	10,300	4,110	695	5,050	4,030
Chromium	NA	31.1	37.0	14.2	21.0	13.9	19.0	16.3	13.6	16.9	15.3	15.4	17.7	15.9	13.9	16.7	23.3	15.3	17.6
Cobalt	1,600	6.7	7.1	11.1	7.5	5.1 J	8.0	7.8	6.5	8.5	4.5 J	4.7 J	10.7	6.2 J	6.1	7.0	12.6	5.7 J	8.7
Copper	3,100	66.7	38.5	52.5	44.8	43.9	R	R	51.5	66.7	33.2	35.0	296	R	581	R	15.9	R	R
Iron	NA	14,500	15,200	20,300	18,500	12,300	17,100	15,800	14,000	15,800	12,000	14,100	22,000	14,000	15,100	16,000	23,500	13,000	17,300
Lead	400	1,940	195	223	1,550	178	69.0	59.9	286	5,040	133	167	1,390	624	3,720	169	17.3	496	598
Magnesium	NA	2,260	3,480	3,370	2,560	2,340	2,250	2,190	2,720	3,190	1,700	1,590	3,400	2,520	2,350	2,670	3,450	2,180	2,630
Manganese	11,000	361	414	546	467	330	458	468	377	387	224	257	538	316	348	371	524	356	429
Nickel	1,600	14.9	22.6	14.8	17.2	9.8	11.0	10.3	11.4	14.9	11.7	16.3	14.9	12.6	14.1	12.1	10.3	11.1	14.6
Potassium	NA	632	904	764	710	541 J	586 J	599 J	641	664	481 J	490 J	625	724 J	631	798	1,740	697 J	718
Selenium	390	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Silver	390	U	U	U	0.40 J	U	U	U	U	0.39 J	U	U	5.7	1.5 J	24.5	U	U	0.78 J	1.3 J
Sodium	NA	U	U	1,080	228 J	172 J	U	U	201 J	476 J	156 J	U	434 J	300 J	218 J	U	380 J	U	U
Thallium	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vanadium	78	21.1	21.3	37.4	22.6	19.2	39.5	32.5	22.7	28.3	17.7	17.5	31.4	22.2	23.1	25.1	47.0	22.6	25.3
Zinc	23,000	296	146	149	785	141	104	102	182	201	89.8	105	486	436	1,290	187	57.3	212	288

Notes:
*Standards retrieved from the New Jersey Administrative Code (NJAC) 7:26D: Remediation Standards, Amended October 3, 2011

Soil sample data presented in milligrams per kilogram (mg/kg).
Rinsate blank data presented in micrograms per liter (ug/L).
Results exceeding the NJAC Residential Direct Contact Soil Remediation Standard are highlighted in red.
J: Flag indicates an estimated value.
U: Flag indicates the compound was analyzed for but not detected.
R: Flag indicates a rejected value.
NA: Not Applicable

Table 4
MC Canfield and Sons Site
Validated Analytical Results for TAL Metals
August 20-30, 2012

	RST 2 Sample ID	P001-SS026-1824-001	P001-SS029-SOD-001	P001-SS030-0206-001	P001-SS033-0002-001	P001-SS034-1218-001	P001-SS034-D-0612-001	P002-SS001-SOD-001	P008-SS001-1218-001	RB-082012	RB-082112	RB-082212	RB-082312	RB-082412	RB-082712	RB-082812	RB-082912	RB-083012
	CLP Sample ID	MBAEQ8	MBAEQ9	MBAER0	MBAEP8	MBAEQ4	MBAEP9	MBAER2	MBAER3	MBAEN3	MBAEN4	MBAEN5	MBAEN6	MBAER4	MBAER5	MBAER6	MBAER7	MBAER8
Metal	Residential Direct Contact Soil Remediation Standard*																	
Aluminum	78,000	6,720	7,070	8,390	6,940	9,510	8,570	6,660	7,690	U	U	U	56.6 J	U	U	U	U	U
Antimony	31	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Arsenic	19	8.0	5.0	3.9	4.5	3.6	4.2	7.5	2.2	U	U	U	U	U	U	U	U	U
Barium	16,000	471	553	313	96.6	106	215	428	104	U	U	U	U	U	U	U	U	U
Beryllium	16	0.39 J	0.31 J	0.30 J	0.42 J	0.27 J	U	0.36 J	0.37 J	U	U	U	U	U	U	U	U	U
Cadmium	78	2.2	1.4	1.2	0.40 J	0.45 J	0.99	1.8	0.30 J	U	U	U	U	U	U	U	U	U
Calcium	NA	11,700	9,700	16,500	5,970	16,500	11,100	3,600	10,300	U	U	U	U	U	U	U	U	U
Chromium	NA	20.9	28.0	24.7	17.2	13.4	17.0	30.8	23.8	U	U	U	10.9	U	U	U	U	U
Cobalt	1,600	6.4	7.1	8.2	6.9	9.6	11.7	5.0 J	7.0	U	U	U	U	U	U	U	U	U
Copper	3,100	91.2	130	149	41.0	54.8	120	155	29.3	U	U	U	U	U	U	U	U	U
Iron	NA	18,100	17,000	18,000	14,200	18,700	30,000	13,900	14,300	U	U	U	185	U	U	U	32.8 J	441
Lead	400	1,070	788	504	201	215	374	1,950	142	U	U	U	7.8 J	U	U	U	U	U
Magnesium	NA	2,290	3,530	4,070	3,940	4,070	4,510	1,600	2,900	U	U	U	U	U	U	U	U	U
Manganese	11,000	333	333	374	442	374	402	291	350	U	U	U	7.8 J	U	U	U	U	6.6 J
Nickel	1,600	18.4	27.1	23.7	12.6	13.7	44.0	14.9	16.4	U	U	U	U	U	U	U	U	U
Potassium	NA	728	836	819	662	695	557	551 J	1,070	U	U	U	U	U	U	U	U	U
Selenium	390	1.6 J	U	U	U	U	U	1.6 J	U	U	U	U	U	U	U	U	U	U
Silver	390	0.52 J	1.8	0.94 J	U	U	0.66 J	0.81 J	U	U	U	U	U	U	U	U	U	U
Sodium	NA	238 J	191 J	341 J	U	1,280	638	U	U	U	U	U	U	U	U	U	U	U
Thallium	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vanadium	78	26.2	24.6	23.9	22.6	36.0	40.5	32.2	23.1	U	U	U	U	U	U	U	U	U
Zinc	23,000	980	657	430	126	126	358	686	103	U	U	U	U	U	U	U	U	U

Notes:
*Standards retrieved from the New Jersey Administrative Code (NJAC) 7:26D: Remediation Standards, Amended October 3, 2011

Soil sample data presented in milligrams per kilogram (mg/kg).
Rinsate blank data presented in micrograms per liter (ug/L).
Results exceeding the NJAC Residential Direct Contact Soil Remediation Standard are highlighted in red.
J: Flag indicates an estimated value.
U: Flag indicates the compound was analyzed for but not detected.
R: Flag indicates a rejected value.
NA: Not Applicable

Table 5
MC Canfield and Sons Site
Validated Analytical Results for TCLP Metals
August 20-30, 2012

RST 2 Sample ID	P001- SS001- 1824-001	P001- SS015- 1824-001	P001- SS023- 0206-001
Metal			
Arsenic	U	U	U
Barium	U	U	U
Cadmium	U	U	U
Chromium	U	U	U
Lead	0.32	7.1	0.71
Selenium	U	U	U
Silver	U	U	U

Notes:

Soil sample data presented in milligrams per liter (mg/L).

U: Flag indicates the compound was analyzed for but not detected.

ATTACHMENT C

- Chain of Custody Records
 - Shipping Documentation
-

USEPA CLP Inorganics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-082312-183909-0001

Date Shipped: 8/23/2012

Lab: A4 Scientific

Carrier Name: FedEx

Lab Contact: Reddy Pakanati

Airbill No: 870897315254

Case #: 42821

Cooler #: 1

Lab Phone: 281-292-5277

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	For Lab Use Only
MBAEN3	Rinsate Blank/ RST	Grab	ICP-AES	1013 (HNO3 pH<2) (1)	RB-082012	08/20/2012 13:00		
MBAEN4	Rinsate Blank/ RST	Grab	ICP-AES	1014 (HNO3 pH<2) (1)	RB-082112	08/21/2012 16:00		
MBAEN5	Rinsate Blank/ RST	Grab	ICP-AES	1015 (HNO3 pH<2) (1)	RB-082212	08/22/2012 17:30		
MBAEN6	Rinsate Blank/ RST	Grab	ICP-AES	1016 (HNO3 pH<2) (1)	RB-082312	08/23/2012 14:30		
MBAEN7	Soil/ RST	Composite	ICP-AES	1003 (4 C) (1)	P001-SS001-1824-001	08/21/2012 11:10		
MBAEN8	Soil/ RST	Discrete Interval	ICP-AES	1006 (4 C) (1)	P001-SS001-A-0206-001	08/21/2012 09:10		
MBAEN9	Soil/ RST	Composite	ICP-AES	1004 (4 C) (1)	P001-SS007-0002-001	08/21/2012 11:30		
MBAEP0	Soil/ RST	Composite	ICP-AES	1012 (4 C) (1)	P001-SS007-0002-002	08/21/2012 11:30		
MBAEP1	Soil/ RST	Composite	ICP-AES	1005 (4 C) (1)	P001-SS008-1218-001	08/21/2012 11:45		
MBAEP2	Soil/ RST	Composite	ICP-AES	1002 (4 C) (1)	P001-SS012-0812-001	08/20/2012 15:25		
MBAEP3	Soil/ RST	Composite	ICP-AES	1001 (4 C) (1)	P001-SS014-SOD-001	08/20/2012 12:20		

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES=CLP TAL Total Metals/ICP-AES

Items/Reason	Relinquished by	Date	Received by	Date	Time
all samples all analyses	Jrd Pety	8/23/12	Fed Ex	8/23/12	1915

DateShipped: 8/23/2012

Lab: A4 Scientific

CarrierName: FedEx

Case #: 42821

Lab Contact: Reddy Pakanati

AirbillNo: 870897315254

Cooler #: 1

Lab Phone: 281-292-5277

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	For Lab Use Only
MBAEP4	Soil/ RST	Composite	ICP-AES	1000 (4 C) (1)	P001-SS015-1824-001	08/20/2012 10:25		
MBAEP5	Soil/ RST	Discrete Interval	ICP-AES	1011 (4 C) (1)	P001-SS022-A-0206-001	08/22/2012 11:05		
MBAEP6	Soil/ RST	Composite	ICP-AES	1008 (4 C) (2)	P001-SS023-0002-001	08/22/2012 11:03		
MBAEP7	Soil/ RST	Composite	ICP-AES	1009 (4 C) (1)	P001-SS023-SOD-001	08/22/2012 13:00		
MBAEP8	Soil/ RST	Composite	ICP-AES	1010 (4 C) (1)	P001-SS033-0002-001	08/22/2012 08:50		
MBAEP9	Soil/ RST	Discrete Interval	ICP-AES	1007 (4 C) (1)	P001-SS034-D-0612-001	08/21/2012 15:10		
MBAEQ0	Soil/ RST	Composite	ICP-AES	1020 (4 C) (1)	P001-SS003-0206-001	08/22/2012 15:40		
MBAEQ1	Soil/ RST	Composite	ICP-AES	1018 (4 C) (1)	P001-SS005-0206-001	08/22/2012 14:35		
MBAEQ2	Soil/ RST	Composite	ICP-AES	1019 (4 C) (1)	P001-SS009-1824-001	08/22/2012 16:05		
MBAEQ3	Soil/ RST	Composite	ICP-AES	1021 (4 C) (1)	P001-SS020-0002-001	08/21/2012 08:45		
MBAEQ4	Soil/ RST	Composite	ICP-AES	1022 (4 C) (1)	P001-SS034-1218-001	08/21/2012 15:20		

Sample(s) to be used for Lab QC: MBAEP6	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Kev: ICP-AES=CLP TAL Total Metals/ICP-AES	

[illegible]

DateShipped: 8/30/2012

Lab: A4 Scientific

CarrierName: FedEx

Case #: 42821

Lab Contact: Reddy Pakanati

AirblllNo: 899355984032

Cooler #: 1

Lab Phone: 281-292-5277

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	For Lab Use Only
MBAEQ5	Soil/ RST	Composite	ICP-AES	1029 (4 C) (1)	P001-SS003-1824-001	08/23/2012 16:05		
MBAEQ6	Soil/ RST	Composite	ICP-AES	1025 (4 C) (1)	P001-SS011-0612-001	08/28/2012 12:45		
MBAEQ7	Soil/ RST	Composite	ICP-AES	1026 (4 C) (1)	P001-SS011-0612-002	08/28/2012 12:45		
MBAEQ8	Soil/ RST	Composite	ICP-AES	1023 (4 C) (1)	P001-SS026-1824-001	08/28/2012 12:48		
MBAEQ9	Soil/ RST	Composite	ICP-AES	1030 (4 C) (1)	P001-SS029-SOD-001	08/24/2012 14:18		
MBAER0	Soil/ RST	Composite	ICP-AES	1024 (4 C) (1)	P001-SS030-0206-001	08/27/2012 09:25		
MBAER2	Soil/ RST	Composite	ICP-AES	1028 (4 C) (1)	P002-SS001-SOD-001	08/28/2012 15:15		
MBAER3	Soil/ RST	Composite	ICP-AES	1036 (4 C) (2)	P008-SS001-1218-001	08/30/2012 12:10		
MBAER4	Rinsate Blank/ RST	Grab	ICP-AES	1031 (HNO3 pH<2) (1)	RB-082412	08/24/2012 16:00		
MBAER5	Rinsate Blank/ RST	Grab	ICP-AES	1032 (HNO3 pH<2) (1)	RB-082712	08/27/2012 16:00		
MBAER6	Rinsate Blank/ RST	Grab	ICP-AES	1033 (HNO3 pH<2) (1)	RB-082812	08/28/2012 15:30		

Sample(s) to be used for Lab QC: MBAER3	Shipment for Case Complete? Y
Analysis Key: ICP-AES=CLP TAL Total Metals/ICP-AES	Samples Transferred From Chain of Custody #

[illegible]

DateShipped: 8/30/2012

CarrierName: FedEx

AirbillNo: 899355984032

Case #: 42821

Cooler #: 1

Lab: A4 Scientific

Lab Contact: Reddy Pakanati

Lab Phone: 281-292-5277

[illegible]

Special Instructions:

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody

Analysis Key: ICP-AES=CLP TAL Total Metals/ICP-AES

[illegible]

CHAIN OF CUSTODY RECORD

No: 2-083112-104405-0003
Cooler #: 1
Lab: DESA
Lab Phone: 732-321-6707

[illegible]

Special Instructions:

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

$T_{\text{avg}} = 6.3^{\circ}\text{C on ice}$ 8/31/12

From Please print and press hard.
 Date **8/23/12** Sender's FedEx Account Number **402356103**
 Sender's Name **Joel Petty** Phone **(732) 570-4943**
 Company **Weston Solutions**
 Address **1090 King Georges Post Rd** Suite **201**
 City **Edison** State **NJ** ZIP **08837**

Your Internal Billing Reference **20401-211-027-6036**
 First 24 characters will appear on invoice.

To Recipient's Name **Reddy Pakanati** Phone **(281) 292-5277**

Company **A4 Scientific** HOLD Weekday Print FedEx location address below, NOT available for FedEx First Overnight. HOLD Saturday Print FedEx location address below, Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address **1544 Sandust Rd** Suite **505**
 We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address Print FedEx location address here if a HOLD option is selected.
 City **The Woodlands** State **TX** ZIP **77380**



From Please print and press hard.
 Date **8/30/12** Sender's FedEx Account Number **402356103**
 Sender's Name **Joel Petty** Phone **(732) 570-4943**
 Company **Weston Solutions, Inc.**
 Address **1090 King Georges Post Rd.** Suite **201**
 City **Edison** State **NJ** ZIP **08837**

Your Internal Billing Reference **20401-135-027-6036**
 First 24 characters will appear on invoice.

To Recipient's Name **Reddy Pakanati** Phone **(281) 292-5277**

Company **A4 Scientific, Inc.**

Address **1544 Sandust Rd.** Suite **505**
 We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address Use this line for the HOLD location address or for continuation of your shipping address.
 City **The Woodlands** State **TX** ZIP **77380**

The FedEx US Airbill has changed. See Section 4.
 For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

4a Express Package Service *To most locations. Packages up to 150 lbs.
☒ **FedEx Priority Overnight** Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Standard Overnight** Next business afternoon.* Saturday Delivery NOT available.
☐ **FedEx 2Day** Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Express Saver** Third business day.* Saturday Delivery NOT available.

4b Express Freight Service **To most locations. Packages over 150 lbs.
☐ **FedEx 1Day Freight** Next business day.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. CALL 1.800.332.0807
☐ **FedEx 2Day Freight** Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx 3Day Freight** Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.
☐ **FedEx Envelope*** ☐ **FedEx Pak*** Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. ☐ **FedEx Box** ☐ **FedEx Tube** ☒ **Other**

6 Special Handling and Delivery Signature Options
☐ **SATURDAY Delivery** NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 30day Freight.
☐ **No Signature Required** Package may be left without obtaining a signature for delivery.
☒ **Direct Signature** Someone at recipient's address may sign for delivery. Fee applies.
☐ **Indirect Signature** If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.
 Does this shipment contain dangerous goods?
☒ **No** ☐ **Yes** As per attached Shipper's Declaration. ☐ **Yes** Shipper's Declaration not required. ☐ **Dry Ice** Dry Ice, 9, UN 1845 x kg
 Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ **Cargo Aircraft Only**

7 Payment Bill to:
☐ **Sender** Acct. No. in Section 1 will be billed. ☐ **Recipient** ☒ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**
 Enter FedEx Acct. No. or Credit Card No. below.
 FedEx Acct. No. **402356103** Exp. Date
 Total Packages **1** Total Weight **1** lbs. Total Declared Value* **0.00**

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability. **554**

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4 Express Package Service *To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.
 NOTE: Service order has changed. Please select carefully.
Next Business Day
☐ **FedEx First Overnight** Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☒ **FedEx Priority Overnight** Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Standard Overnight** Next business afternoon.* Saturday Delivery NOT available.
2 or 3 Business Days
☐ **NEW FedEx 2Day A.M.** Second business morning.* Saturday Delivery NOT available.
☐ **FedEx 2Day** Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Express Saver** Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.
☐ **FedEx Envelope*** ☐ **FedEx Pak*** ☐ **FedEx Box** ☐ **FedEx Tube** ☒ **Other**

6 Special Handling and Delivery Signature Options
☐ **SATURDAY Delivery** NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
☐ **No Signature Required** Package may be left without obtaining a signature for delivery.
☒ **Direct Signature** Someone at recipient's address may sign for delivery. Fee applies.
☐ **Indirect Signature** If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.
 Does this shipment contain dangerous goods?
☒ **No** ☐ **Yes** As per attached Shipper's Declaration. ☐ **Yes** Shipper's Declaration not required. ☐ **Dry Ice** Dry Ice, 9, UN 1845 x kg
 Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ **Cargo Aircraft Only**

7 Payment Bill to:
 Enter FedEx Acct. No. or Credit Card No. below.
☐ **Sender** Acct. No. in Section 1 will be billed. ☐ **Recipient** ☒ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**
 FedEx Acct. No. **402356103** Exp. Date
 Total Packages **1** Total Weight **1** lbs. Total Declared Value* **0.00**

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability. **612**

Rev. Date 11/10 Part #163136-C1994-2010 FedEx-PRINTED IN U.S.A. SRY