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From:
Tony Maffeo

Date:
July 7, 2014

ARCADIS Project No.:
B0064410.2014.01101

Subject:
Northern Parcel RFI-38-12 Manganese Soil Excavation
Buick City Site – Flint, MI

Manganese-impacted soil excavation activities were performed on property previously owned by Revitalizing Auto Communities Environmental Response Trust (RACER), part of the RACER Buick City Site in Flint, Michigan. This property subject to soil excavation is located at the northern limits of the RACER Buick City Site, as illustrated on **Figures 1 and 2**. This property is now owned by American SpiralWeld Pipe Company (ASW), which purchased it from RACER in May 2014. The area subject to excavation is located near the northeast corner of Black Avenue and Andrew Street in Flint, Michigan as indicated on **Figure 2**. The objective of the excavation activities was to remove soil containing manganese at concentrations exceeding the corresponding Nonresidential Particulate Soil Inhalation Criterion presented in Part 201 of Michigan's Natural Resources and Environmental Protection Act (NREPA), 1994 Public Act 451, as amended (cleanup criterion). The subject soil was found to be present at two separate locations, and was removed in accordance with the RFI-38-12 Impacted Soil Removal Work Plan dated January 14, 2014 (Work Plan). Refer to **Figure 2** for the location of the manganese-impacted soil excavations.

The manganese-impacted soil excavations were completed on May 5 through May 12, 2014 on behalf of RACER by Young's Environmental Cleanup, Inc. under subcontract agreement with ARCADIS. In general, the scope of work (SOW) consisted of mobilization/demobilization, site preparation, excavation, soil and debris pile loading, transportation and disposal and site restoration. The initial excavation limits were measured to be approximately 10 feet wide by 120 feet long by 3 feet deep and 5 feet wide by 5 feet wide by 3 feet deep (approximately 138 cubic yards, total). The initial excavation limits are depicted on

Figure 3. Once soil had been excavated to the initial, soil confirmation samples were collected from the excavation floor and each of the four sidewalls. These soil samples were submitted to Merit Laboratories, Inc. of East Lansing, Michigan for analysis of manganese, in accordance with the sampling plan included in **Appendix A**.

Table 1 summarizes the results of the initial round of confirmation soil sample results, and shows that 12 initial sidewall sample results exceeded the cleanup criterion, but none of the seven floor sample results exceeded the cleanup criterion. At the 12 sidewall locations exceeding the cleanup criterion, step-out excavations were performed (the extents of the step-out areas varied based on field observations and field conditions), and additional confirmation samples were collected and analyzed. These locations are depicted along with final excavation limits on **Figure 3**, and the corresponding analytical data are summarized in **Table 1** along with the initial round of confirmation results. All associated laboratory analytical reports are included in **Appendix B**.

A total of 456 tons of manganese-impacted soil and debris (asphalt/concrete) were removed from the excavation area and subject to off-site disposal at the Venice Park Landfill located in Lennon, Michigan, which is owned and operated by Waste Management, Inc. Certified weight tickets are included in **Appendix C**. As per the Work Plan, the excavation sidewalls were sloped (approximately 1 foot horizontal to 1 foot vertical) and construction fencing was installed around each of the two areas of excavation. No Site restoration was performed; such activities will be incorporated into re-development activities to be performed at the property by ASW.

TABLE 1: RACER Buick City - Manganese Soil Excavation Analytical Results

Sidewalls	Sample ID	Criteria (ug/kg)	RFI-38-12-SW-01 *	DUPE-02 * RFI-38-12-SW-01 *	RFI-38-12-SW-02 *	RFI-38-12-SW-02MS *	RFI-38-12-SW-02MSD *	RFI-38-12-SW-03 *	RFI-38-12-SW-04	RFI-38-12-SW-05	RFI-38-12-SW-06	RFI-38-12-SW-07
	Date Sampled	-	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014
	Manganese	1,500	442	1770	1890	1,920	1,910	2180	1460	2770	3240	1350

Sidewalls	Sample ID	Criteria (ug/kg)	RFI-38-12-SW-08	RFI-38-12-SW-09 *	RFI-38-12-SW-10 *	RFI-38-12-SW-11	RFI-38-12-SW-12 *	RFI-38-12-SW-13 *	RFI-38-12-SW-14 *	RFI-38-12-SW-15	RFI-38-12-SW-16
	Date Sampled	-	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/9/2014
	Manganese	1,500	2740	2920	2920	3430	2290	2830	2860	506	312

Sidewalls	Sample ID	Criteria (ug/kg)	RFI-38-12-SW-17	DUPE-03 RFI-38-12-SW-17	RFI-38-12-SW-18	RFI-38-12-SW-19	RFI-38-12-SW-19MS	RFI-38-12-SW-19MSD	RFI-38-12-SW-20	RFI-38-12-SW-21	RFI-38-12-SW-22	RFI-38-12-SW-23
	Date Sampled	-	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014
	Manganese	1,500	483	657	243	317	331	354	208	155	190	168

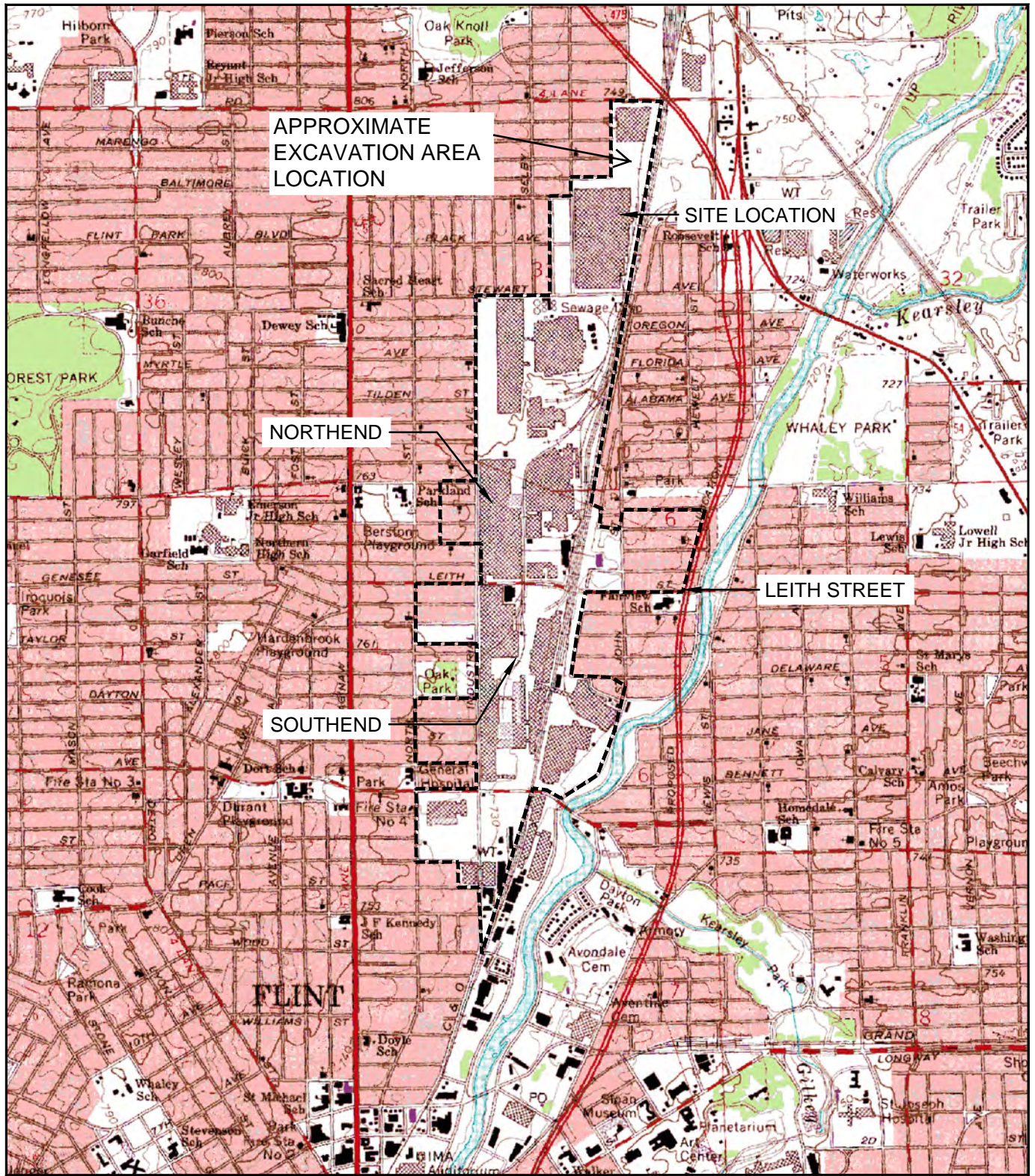
Sidewalls	Sample ID	Criteria (ug/kg)	RFI-38-12-SW-24	RFI-38-12-SW-25	RFI-38-12-SW-26	RFI-38-12-SW-27	RFI-38-12-SW-28	RFI-38-12-SW-29	RFI-38-12-SW-30	RFI-38-12-SW-31	RFI-38-12-SW-32	RFI-38-12-SW-33
	Date Sampled	-	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014
	Manganese	1,500	368	163	261	195	367	281	164	335	169	313

Sidewalls	Sample ID	Criteria (ug/kg)	RFI-38-12-SW-34	DUPE-04 RFI-38-12-SW-34	RFI-38-12-SW-35	RFI-38-12-SW-35MS	RFI-38-12-SW-35MSD	RFI-38-12-SW-36	RFI-38-12-SW-37	RFI-38-12-SW-38	RFI-38-12-SW-39	RFI-38-12-SW-40
	Date Sampled	-	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014	5/9/2014
	Manganese	1,500	663	281	246	901	889	361	337	96.2	92.4	211

Floor	Sample ID	Criteria	RFI-38-12-FL-01	DUPE-01 RFI-38-12-FL-01	RFI-38-12-FL-02	RFI-38-12-FL-03	RFI-38-12-FL-04	RFI-38-12-FL-05	RFI-38-12-FL-06	RFI-38-12-FL-07
	Date Sampled	-	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014
	Manganese	1,500	648	485	357	285	238	729	292	905

Notes:
 Highlighted values exceed Nonresidential Particulate Soil Inhalation Criterion presented in Part 201 of Michigan's Natural Resources and Environmental Protection Act (NREPA), 1994 Public Act 451, as amended for Manganese.
 * Indicates sample has been excavated.
 Dupe - Duplicate sample
 MS - Matrix spike
 MDS - Matrix spike duplicate
 mg/kg - milligrams per kilogram

CITY:SYRACUSE,NY DIV:GROUP:ENV DBA:SANCHEZ PIC:CC:SPETERS P:MC:KIKER T:MC:KIKER LYR:(0)ON*-OFF*-REF-
 G:\ENV\CAD\STRACUSE\AC180664\020186644\01\01.dwg LAYOUT: 1 SAVED: 6/26/2014 12:57 PM ACADWDR: 18.15 (LMS TECH) PAGES:SETUP: ---- PLOTTED: 6/26/2014 1:00 PM BY: SANCHEZ, ADRIAN
 XREFS: IMAGES: PROJECTNAME: ---- MI_Flint_North.tif



SOURCE: USGS 7.5 MIN. TOPO QUADRANGLE, FLINT NORTH 1969, PHOTOREVISED 1975



MICHIGAN



0 2000' 4000'

APPROXIMATE SCALE IN FEET

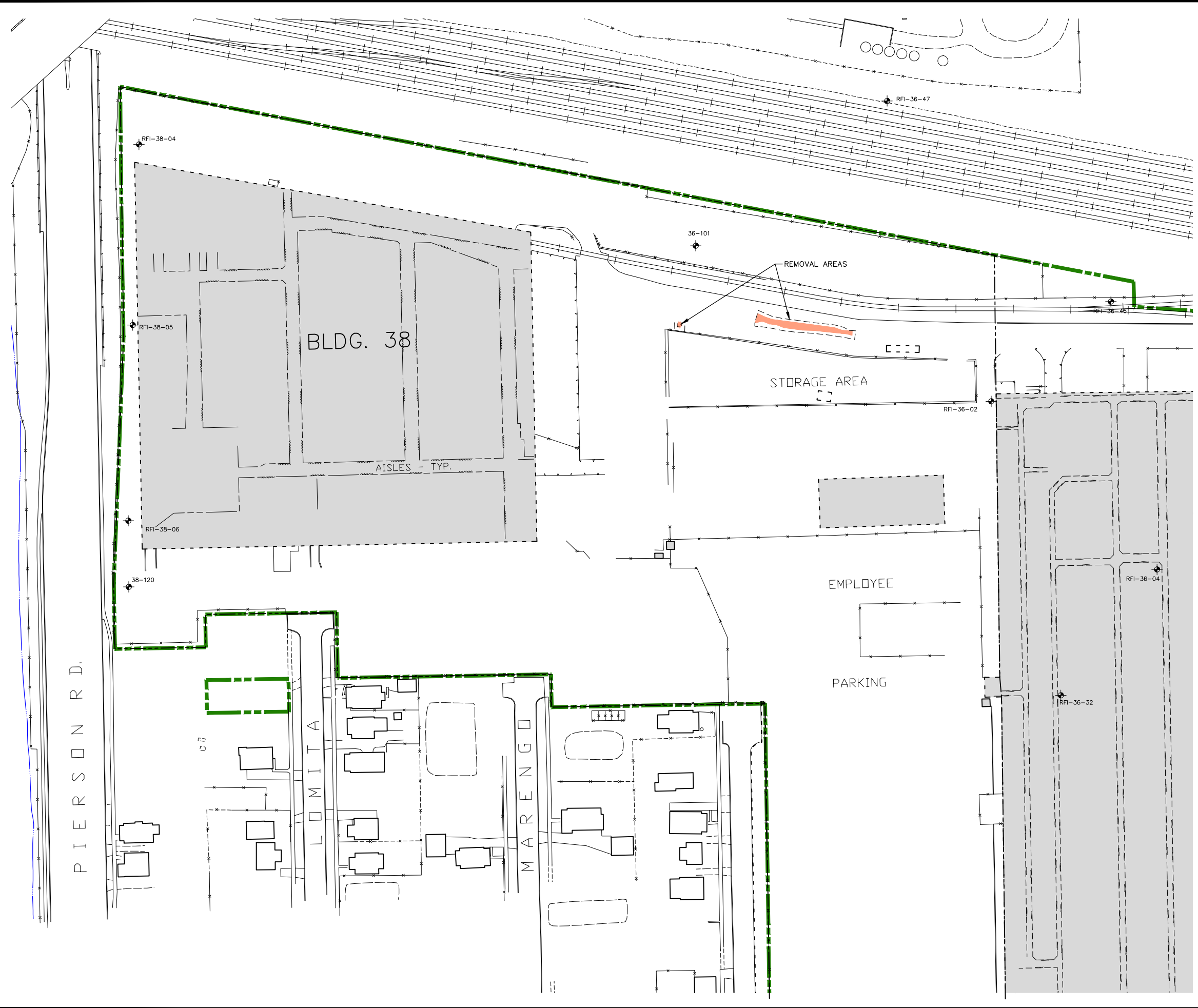
RACER TRUST
 BUICK CITY
 FLINT, MICHIGAN
MANGANESE IMPACTED SOIL REMOVAL

SITE LOCATION MAP



FIGURE
1

CITY: SYRACUSE DIV/GROUP: 141 DB: ASANCHEZ LD: GMS PIC: C.S. PETERS PM: C. KIKER TM: C. KIKER Lyr: ONL-OFF-REF
 G:\ENVCAD\SYRACUSE\ACT19066410\20140110116410G02.DWG LAYOUT: 2 SAVED: 6/26/2014 1:04 PM ACADVER: 18.1S (LMS TECH) PAGES: 18
 PLOTTED: 6/26/2014 2:17 PM BY: SANCHEZ, ADRIAN
 IMAGES: PROJECTNAME:



- LEGEND:**
- ◆ MONITORING WELL
 - RACER PROPERTY BOUNDARY
 - - - DEMOLISHED BUILDING
 - - - NORTHERN PARCEL
 - INITIAL REMOVAL AREA
 - - - EXCAVATION STEP OUT

- NOTES:**
1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED SEPTEMBER 2001, AT A SCALE OF 1:100.
 2. ALL LOCATIONS ARE APPROXIMATE.



RACER TRUST
 BUICK CITY
 FLINT, MICHIGAN
MANGANESE IMPACTED SOIL REMOVAL

NORTHERN PARCEL SITE PLAN




FIGURE
2



Appendix A

Confirmation Sampling Plan

BUICK CITY FLINT

EXCAVATION SOIL SAMPLING PLAN SUMMARY

AS OF APRIL 25, 2014

This sampling and analysis plan was prepared for collecting post-excavation samples of the soils in the Manganese excavation area located north of the Factory 36 area. This area is currently owned by the American Cast Iron Pipe Co. (Formerly owned by RACER Trust). The purpose of the soil sampling is to determine if sufficient excavation has occurred to remove the impacted soil from the area. A summary of the sampling and analytical plan is presented below.

Sampling Plan – RFI 38-12 Manganese Excavation

The area to be sampled is approximately 10' wide by 120' long by 3' deep. Because the nature of the metals impacts do not lend to visual indications of contamination, the area will be sampled based on the SRS approach. Based on the 1,200 square-foot excavation floor, 780 square-feet of sidewalls, and the number of samples set at 9, the grid interval was calculated at 14.8 feet. Using the random number generator the sample location for each grid space was determined to be at X=2 and Y=8. The origin of the grid is located south of RFI-38-12-32 as shown in the figure. Sample locations for the excavation bottom and sidewalls, as well as the grid, are placed on the figure. One sample should be collected and submitted for analysis from each grid space and sidewall location.

Step outs

In the event a sample exceeds criteria a step out will be required. The step out will consist of taking the exceeding surface out an additional foot or until visual impact is removed. Upon completion the sidewalls and floor will need to be resampled and reanalyzed.



Appendix B

Laboratory Analytical Results



Analytical Laboratory Report

Report ID: S61030.01(01)
Generated on 05/13/2014

Report to

Attention: Tony Maffeo
Arcadis
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Novi, MI 48377

Phone: 517-304-1433 (Cell) FAX: 248-994-2241
Email: Tony.Maffeo@arcadis-us.com

Additional Contacts: Ben Lawrence, Joe Kotwicki

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:

Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S61030.01-S61030.12
Project: B0064410.2014.01101 / RACER Buick City - Manganese Excavatio
Collected Date: 05/09/2014 - 05/12/2014
Submitted Date/Time: 05/12/2014 11:30
Sampled by: Ben Lawrence
P.O. #: B0064410.2014.01101

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)
IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Sample Summary (12 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S61030.01	RFI-38-12-SW-32	Soil	05/09/2014 15:05
S61030.02	RFI-38-12-SW-33	Soil	05/09/2014 15:00
S61030.03	RFI-38-12-SW-34	Soil	05/09/2014 14:55
S61030.04	RFI-38-12-SW-35	Soil	05/09/2014 14:50
S61030.05	RFI-38-12-SW-35 MS	Soil	05/09/2014 14:50
S61030.06	RFI-38-12-SW-35 MSD	Soil	05/09/2014 14:50
S61030.07	DUPE-04	Soil	05/09/2014 00:01
S61030.08	RFI-38-12-SW-36	Soil	05/12/2014 08:30
S61030.09	RFI-38-12-SW-37	Soil	05/12/2014 08:35
S61030.10	RFI-38-12-SW-38	Soil	05/12/2014 08:40
S61030.11	RFI-38-12-SW-39	Soil	05/12/2014 08:45
S61030.12	RFI-38-12-SW-40	Soil	05/12/2014 08:50



Analytical Laboratory Report

Lab Sample ID: S61030.01
Sample Tag: RFI-38-12-SW-32
Collected Date/Time: 05/09/2014 15:05
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	90	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	169	mg/kg	0.5	SW6020A	05/13/14 12:15	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.02
Sample Tag: RFI-38-12-SW-33
Collected Date/Time: 05/09/2014 15:00
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	313	mg/kg	0.5	SW6020A	05/13/14 12:17	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.03
Sample Tag: RFI-38-12-SW-34
Collected Date/Time: 05/09/2014 14:55
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	91	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	663	mg/kg	0.5	SW6020A	05/13/14 12:20	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.04
Sample Tag: RFI-38-12-SW-35
Collected Date/Time: 05/09/2014 14:50
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	246	mg/kg	5.0	SW6020A	05/13/14 12:54	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.05
Sample Tag: RFI-38-12-SW-35 MS
Collected Date/Time: 05/09/2014 14:50
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	901	mg/kg	5.0	SW6020A	05/13/14 12:57	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.06
Sample Tag: RFI-38-12-SW-35 MSD
Collected Date/Time: 05/09/2014 14:50
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	90	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	889	mg/kg	5.0	SW6020A	05/13/14 13:00	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.07
 Sample Tag: DUPE-04
 Collected Date/Time: 05/09/2014 00:01
 Matrix: Soil
 COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	91	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	281	mg/kg	0.5	SW6020A	05/13/14 12:23	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.08
 Sample Tag: RFI-38-12-SW-36
 Collected Date/Time: 05/12/2014 08:30
 Matrix: Soil
 COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	361	mg/kg	0.5	SW6020A	05/13/14 12:26	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.09
Sample Tag: RFI-38-12-SW-37
Collected Date/Time: 05/12/2014 08:35
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	337	mg/kg	0.5	SW6020A	05/13/14 12:29	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.10
Sample Tag: RFI-38-12-SW-38
Collected Date/Time: 05/12/2014 08:40
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	85	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	96.2	mg/kg	0.5	SW6020A	05/13/14 12:32	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.11
Sample Tag: RFI-38-12-SW-39
Collected Date/Time: 05/12/2014 08:45
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	85	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	92.4	mg/kg	0.5	SW6020A	05/13/14 12:34	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61030.12
Sample Tag: RFI-38-12-SW-40
Collected Date/Time: 05/12/2014 08:50
Matrix: Soil
COC Reference: BC051214.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	22.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/13/14 09:25	JRH		
Inorganics								
Total Solids	87	%	1	Std M 2540 B	05/12/14 17:55	ASB		
Metals								
Manganese	211	mg/kg	0.5	SW6020A	05/13/14 12:37	JRH	7439-96-5	



Analytical Laboratory Report

Report ID: S61020.01(01)
Generated on 05/12/2014

Report to

Attention: Tony Maffeo
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Suite 500
Novi, MI 48377

Phone: 517-304-1433 (Cell) FAX: 248-994-2241
Email: Tony.Maffeo@arcadis-us.com

Additional Contacts: Ben Lawrence, Joe Kotwicki

Report produced by

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East Lansing, MI 48823

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Contacts for report questions:

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Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S61020.01-S61020.19
Project: B0064410.2014.01101 / RACER Buick City - Manganese Excavatio
Collected Date: 05/09/2014
Submitted Date/Time: 05/09/2014 14:45
Sampled by: Ben Lawrence
P.O. #: B0064410.2014.01101

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)
IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Sample Summary (19 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S61020.01	RFI-38-12-SW-16	Soil	05/09/2014 10:00
S61020.02	RFI-38-12-SW-17	Soil	05/09/2014 10:05
S61020.03	RFI-38-12-SW-18	Soil	05/09/2014 10:10
S61020.04	RFI-38-12-SW-19	Soil	05/09/2014 10:15
S61020.05	RFI-38-12-SW-19 MS	Soil	05/09/2014 10:15
S61020.06	RFI-38-12-SW-19 MSD	Soil	05/09/2014 10:15
S61020.07	RFI-38-12-SW-20	Soil	05/09/2014 10:20
S61020.08	RFI-38-12-SW-21	Soil	05/09/2014 10:25
S61020.09	RFI-38-12-SW-22	Soil	05/09/2014 10:30
S61020.10	RFI-38-12-SW-23	Soil	05/09/2014 10:35
S61020.11	RFI-38-12-SW-24	Soil	05/09/2014 12:50
S61020.12	RFI-38-12-SW-25	Soil	05/09/2014 12:55
S61020.13	RFI-38-12-SW-26	Soil	05/09/2014 13:00
S61020.14	RFI-38-12-SW-27	Soil	05/09/2014 13:05
S61020.15	RFI-38-12-SW-28	Soil	05/09/2014 13:25
S61020.16	RFI-38-12-SW-29	Soil	05/09/2014 13:20
S61020.17	RFI-38-12-SW-30	Soil	05/09/2014 13:15
S61020.18	RFI-38-12-SW-31	Soil	05/09/2014 13:10
S61020.19	DUPE-03	Soil	05/09/2014 00:01



Analytical Laboratory Report

Lab Sample ID: S61020.01
 Sample Tag: RFI-38-12-SW-16
 Collected Date/Time: 05/09/2014 10:00
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	312	mg/kg	0.5	SW6020A	05/12/14 11:29	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.02
Sample Tag: RFI-38-12-SW-17
Collected Date/Time: 05/09/2014 10:05
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	483	mg/kg	0.5	SW6020A	05/12/14 11:31	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.03
Sample Tag: RFI-38-12-SW-18
Collected Date/Time: 05/09/2014 10:10
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	243	mg/kg	0.5	SW6020A	05/12/14 11:34	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.04
Sample Tag: RFI-38-12-SW-19
Collected Date/Time: 05/09/2014 10:15
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	82	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	317	mg/kg	0.5	SW6020A	05/12/14 11:57	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.05
Sample Tag: RFI-38-12-SW-19 MS
Collected Date/Time: 05/09/2014 10:15
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	84	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	331	mg/kg	0.5	SW6020A	05/12/14 12:00	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.06
 Sample Tag: RFI-38-12-SW-19 MSD
 Collected Date/Time: 05/09/2014 10:15
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	354	mg/kg	0.5	SW6020A	05/12/14 13:23	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.07
 Sample Tag: RFI-38-12-SW-20
 Collected Date/Time: 05/09/2014 10:20
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	208	mg/kg	0.5	SW6020A	05/12/14 11:37	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.08
Sample Tag: RFI-38-12-SW-21
Collected Date/Time: 05/09/2014 10:25
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	155	mg/kg	0.5	SW6020A	05/12/14 11:40	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.09
Sample Tag: RFI-38-12-SW-22
Collected Date/Time: 05/09/2014 10:30
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	190	mg/kg	0.5	SW6020A	05/12/14 11:43	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.10
Sample Tag: RFI-38-12-SW-23
Collected Date/Time: 05/09/2014 10:35
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	87	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	163	mg/kg	0.5	SW6020A	05/12/14 11:46	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.11
 Sample Tag: RFI-38-12-SW-24
 Collected Date/Time: 05/09/2014 12:50
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	84	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	368	mg/kg	0.5	SW6020A	05/12/14 11:48	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.12
 Sample Tag: RFI-38-12-SW-25
 Collected Date/Time: 05/09/2014 12:55
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	316	mg/kg	0.5	SW6020A	05/12/14 11:51	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.13
 Sample Tag: RFI-38-12-SW-26
 Collected Date/Time: 05/09/2014 13:00
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	82	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	261	mg/kg	0.5	SW6020A	05/12/14 11:54	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.14
 Sample Tag: RFI-38-12-SW-27
 Collected Date/Time: 05/09/2014 13:05
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	195	mg/kg	0.5	SW6020A	05/12/14 12:13	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.15
 Sample Tag: RFI-38-12-SW-28
 Collected Date/Time: 05/09/2014 13:25
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	87	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	367	mg/kg	0.5	SW6020A	05/12/14 12:16	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.16
 Sample Tag: RFI-38-12-SW-29
 Collected Date/Time: 05/09/2014 13:20
 Matrix: Soil
 COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	281	mg/kg	0.5	SW6020A	05/12/14 12:19	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.17
Sample Tag: RFI-38-12-SW-30
Collected Date/Time: 05/09/2014 13:15
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	87	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	164	mg/kg	0.5	SW6020A	05/12/14 12:26	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.18
Sample Tag: RFI-38-12-SW-31
Collected Date/Time: 05/09/2014 13:10
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	85	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	335	mg/kg	0.5	SW6020A	05/12/14 12:29	JRH	7439-96-5	



Analytical Laboratory Report

Lab Sample ID: S61020.19
Sample Tag: DUPE-03
Collected Date/Time: 05/09/2014 00:01
Matrix: Soil
COC Reference: BC050914.1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3050B	05/12/14 09:30	JRH		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	05/11/14 20:30	ASB		
Metals								
Manganese	657	mg/kg	0.5	SW6020A	05/12/14 12:32	JRH	7439-96-5	



Appendix C

Certified Weight Tickets



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. M10005355712	Manifest Doc No.	2. Page 1 of 1	TRUCK #690
3. Generator's Mailing Address: RACER TRUST 902 E 15TH ST FLINT MI 48550 4. Generator's Phone 810-613-6438		Generator's Site Address (if different than mailing): RACER TRUST 902 E 15TH ST FLINT MI 48550 GENESEE COUNTY		A. Manifest Number WMNA	T302293
5. Transporter 1 Company Name K... #690		6. US EPA ID Number ...		B. State Generator's ID	
				C. State Transporter's ID	

9604483



Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9000

Original
Ticket# 304035

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGB ENVIRONMENTAL 240190
 Ticket Date 05/05/2014 Vehicle# 690 Volume 10.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest T302293 Grid
 Destination
 PO
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT))
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	55480 lb
In 05/05/2014 15:21:46	SCALE1	erin		Tare	32540 lb
Out 05/05/2014 15:21:46		erin		Net	22940 lb
				Tons	11.47

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
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NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. M I D 0 0 5 3 5 6 7 1 2	Manifest Doc No.	2. Page 1 of
3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550		Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY		A. Manifest Number WMNA T302294
4. Generator's Phone 810-613-6438		B. State Generator's ID		
5. Transporter 1 Company Name #778		6. US EPA ID Number		C. State Transporter's ID

9604535



Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

Original
Ticket# 304084

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/06/2014 Vehicle# 778-600 Volume 25.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001006
 State Waste Code Gen EPA ID
 Manifest T302294 Grid
 Destination
 PD
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	
In 05/06/2014 10:04:19	SCALE1	erin			97820 lb
Out 05/06/2014 10:35:50	SCALE1	erin		Tare	47080 lb
				Net	50740 lb
				Tons	25.37

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	25.37	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	25.37	Tons				MI-GENESEE

Total Fees
Total Ticket

Scott M Smith
Driver's Signature





NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. MID005356712	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550		Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY		A. Manifest Number WMNA	T302295
4. Generator's Phone 810-623-6438				B. State Generator's ID	
5. Transporter 1 Company Name Venice Environmental Services		6. US EPA ID Number MID000000000		C. State Transporter's ID	

9604564



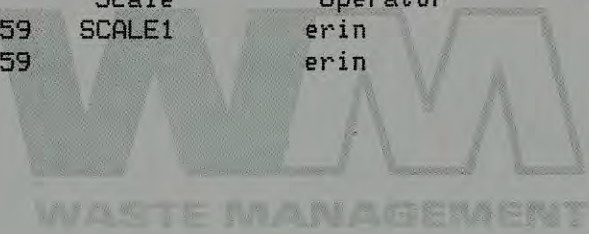
Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

Original
Ticket# 304116

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/06/2014 Vehicle# 778-600 Volume 25.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest T302295 Grid
 Destination
 PD
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	96880 lb
In 05/06/2014 12:42:59	SCALE1	erin		Tare	47080 lb
Out 05/06/2014 12:42:59		erin		Net	49800 lb
				Tons	24.90

Comments



Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	24.90	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	24.90	Tons				MI-GENESEE

Total Fees
Total Ticket

Scott Suter





NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. MID005356712	Manifest Doc No.	2. Page 1 of
3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550		Generator's Site Address (If different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY		A. Manifest Number WMNA T302296
4. Generator's Phone 810-623-8438		B. State Generator's ID		
5. Transporter 1 Company Name PINEDALE TRUCKING	6. US EPA ID Number			

9604558



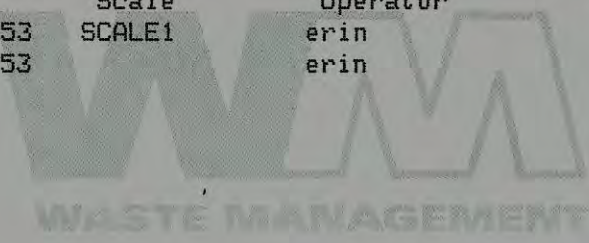
Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

Original
Ticket# 304110

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier EASTERN EASTERN ASPHALT
 Ticket Date 05/06/2014 Vehicle# 4 Volume 40.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest T302296 Grid
 Destination
 PD
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT))
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	146600 lb
In 05/06/2014 12:23:53	SCALE1	erin		Tare	51680 lb
Out 05/06/2014 12:23:53		erin		Net	94920 lb
				Tons	47.46

Comments



Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	47.46	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				
3 RCR-P-Regulatory C	100		%				
4 EVF-L-Standard Env	100	1	Load				
5 561T-SB 561 STATE	100	47.46	Tons				

[Handwritten Signature]

Total Fees
Total Ticket





NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. MID005356712	Manifest Doc No.	2. Page 1 of /
	3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550	Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY	A. Manifest Number WMNA T302297
4. Generator's Phone 810-623-6438	B. State Generator's ID		
5. Transporter 1 Company Name AT7R	6. US EPA ID Number		

9604596



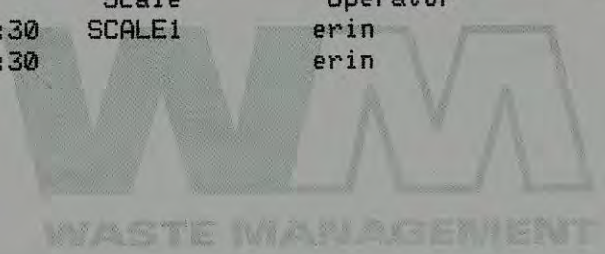
Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

Original
Ticket# 304148

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/06/2014 Vehicle# 778-600 Volume 25.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest T302297 Grid
 Destination
 PO
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

	Time	Scale	Operator	Inbound	Gross	100160 lb
In	05/06/2014 15:25:30	SCALE1	erin		Tare	47080 lb
Out	05/06/2014 15:25:30		erin		Net	53080 lb
					Tons	26.54

Comments



Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	26.54	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	26.54	Tons				MI-GENESEE

Total Fees
Total Ticket

403WM-N
Driver's Signature

Scott M. Giet





Venice Park RDF
 9536 Lennon
 Lennon, MI, 48449
 Ph: (810) 621-9080

9604592

Original
 Ticket# 304145

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier EASTERN EASTERN ASPHALT
 Ticket Date 05/06/2014 Vehicle# 4 Volume 40.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest T302298 Grid
 Destination
 PO
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT))
 Generator 129-RACERTRUST RACER TRUST

	Time	Scale	Operator	Inbound	Gross	
In	05/06/2014 15:07:52	SCALE1	erin			171700 lb
Out	05/06/2014 15:07:52		erin		Tare	51680 lb
					Net	120020 lb
					Tons	60.01

Comments



Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	60.01	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	60.01	Tons				MI-GENESEE

Total Fees
 Total Ticket

403WM-N
 Driver's Signature





Venice Park RDF
 9536 Lennon
 Lennon, MI, 48449
 Ph: (810) 621-9080

9604616

Original
 Ticket# 304166

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/07/2014 Vehicle# 810-600 Volume 25.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest T302299 Grid
 Destination
 PO
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

	Time	Scale	Operator	Inbound	Gross	
In	05/07/2014 07:22:14	SCALE1	erin		85120 lb	
Out	05/07/2014 07:49:15	SCALE1	erin		47400 lb	
					Net	37720 lb
					Tons	18.86

Comments

Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	18.86	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	18.86	Tons				MI-GENESEE

Total Fees
 Total Ticket

W.B.

403WM-N
 Driver's Signature



19. Certificate of Final Treatment/Disposal
 I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits, and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name: *Erin* Signature: *Erin* Date: *05/07/14*

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY
 Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. MID005356712	Manifest Doc No.	2. Page 1 of Truck # 778
3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550		Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY		A. Manifest Number WMNA T302300
4. Generator's Phone 810-621-6498		B. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID



Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

9605531

Original
Ticket# 304392

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/09/2014 Vehicle# 778-600 Volume 25.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest WMNAT302300 Grid
 Destination
 PO
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	
In 05/09/2014 09:07:12	SCALE1	kcraglow		94000 lb	
Out 05/09/2014 09:07:12		kcraglow		47080 lb	
				Net	46920 lb
				Tons	23.46

Comments FLINT MI

WM WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	23.46	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	23.46	Tons				MI-GENESEE

Terry Shuman

Total Fees
Total Ticket





NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. Manifest Doc No. MID005356712	2. Page 1 of Truck # 810
3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550		Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY	A. Manifest Number WMNA T302301
4. Generator's Phone 810-621-6435			B. State Generator's ID
5. Transporter 1 Company Name Venice Park RDF		6. US EPA ID Number MID1008169506	C. State Transporter's ID
			D. Transporter's Phone



Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

9605545

Original
Ticket# 304406

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/09/2014 Vehicle# 810821 Volume 40.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest WMNAT302301 Grid
 Destination
 PD
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT))
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	
In 05/09/2014 10:14:17	SCALE1	kcraglow		147520	1b
Out 05/09/2014 10:14:17		kcraglow		56680	1b
				90840	1b
				45.42	Tons

Comments RACER TRUST FLINT MI REPLACEMENT TICKET FOR TICKET # 304405



Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	45.42	Tons				
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	45.42	Tons				MI-GENESEE

Total Fees
Total Ticket

403WM-N
Driver's Signature





NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. M I D 0 0 5 3 5 6 7 1 2	Manifest Doc No.	2. Page 1 of <i>778</i>
	3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550	Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY	A. Manifest Number WMNA T302302
4. Generator's Phone 810-623-6438			B. State Generator's ID



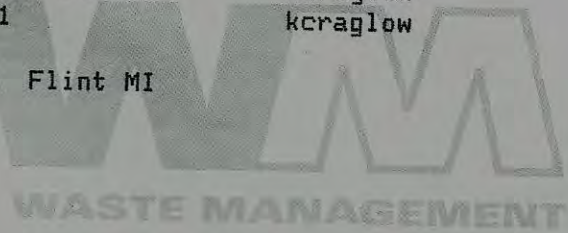
Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

96055
Original
Ticket# 304426

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/09/2014 Vehicle# 778-600 Volume 25.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest wmat302302 Grid
 Destination
 PD
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	
In 05/09/2014 11:33:11	SCALE1	kcraglow		105860 lb	
Out 05/09/2014 11:33:11		kcraglow		47080 lb	
				Net 58780 lb	
				Tons 29.39	

Comments RACER TRUST Flint MI



Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	29.39	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	29.39	Tons				MI-GENESEE

Larry Shuman

Total Fees
Total Ticket

Signature





NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. MID005356712	Manifest Doc No.	2. Page 1 of <i>Truck # 890</i>
	3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550 4. Generator's Phone 810-623-6438	Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY	A. Manifest Number WMNA T302303



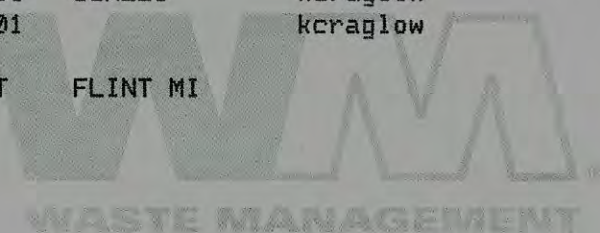
Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

9605582
Original
Ticket# 304443

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/09/2014 Vehicle# 810821 Volume 40.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest WMNAT302303 Grid
 Destination
 PD
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

Time	Scale	Operator	Inbound	Gross	146360 lb
In 05/09/2014 12:43:01	SCALE1	kcraglow		Tare	56680 lb
Out 05/09/2014 12:43:01		kcraglow		Net	89680 lb
				Tons	44.84

Comments RACER TRUST FLINT MI



Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	44.84	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	44.84	Tons				MI-GENESEE

Total Fees
Total Ticket

Driver's Signature





NON-HAZARDOUS MANIFEST

4375

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID.No. M I D D O 0 5 3 5 6 7 1 2	Manifest Doc No.	2. Page 1 of 1	TRUCK # 778
3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550		Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY		A. Manifest Number WMNA	T302304
4. Generator's Phone 810-623-6438		5. Transporter 1 Company Name YOUNGS ENVIRONMENTAL		B. State Generator's ID	
6. US EPA ID Number		C. State Transporter's ID			



Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

4375

9605609

Original
Ticket# 304470

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/09/2014 Vehicle# 778-600 Volume 25.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest WMNAT302304 Grid
 Destination
 PO
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT)
 Generator 129-RACERTRUST RACER TRUST

In	Time	Scale	Operator	Inbound	Gross	97700 lb
	05/09/2014 14:28:13	SCALE1	kcraglow		Tare	47080 lb
Out	05/09/2014 14:28:13		kcraglow		Net	50620 lb
					Tons	25.31

Comments RACER TRUST FLINT, MI



Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	25.31	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	25.31	Tons				MI-GENESEE

Jerry Human

Total Fees
Total Ticket





NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. MID005356712	Manifest Doc No.	2. Page 1 of 1	Truck # 810
3. Generator's Mailing Address: RACER TRUST 902 E LEITH ST FLINT, MI 48550		Generator's Site Address (if different than mailing): RACER TRUST 902 E LEITH ST FLINT, MI 48550 GENESEE COUNTY		A. Manifest Number WMNA	T302305
4. Generator's Phone 810-623-6438				B. State Generator's ID	
5. Transporter 1 Company Name K... ..		6. US EPA ID Number M... ..		C. State Transporter's ID	

9605619



Venice Park RDF
9536 Lennon
Lennon, MI, 48449
Ph: (810) 621-9080

Original
Ticket# 304483

Customer Name ARCADISUS ARCADIS US INC MAIN Carrier YOU YOUNGS ENVIRONMENTAL 240190
 Ticket Date 05/09/2014 Vehicle# 810821 Volume 40.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001806
 State Waste Code Gen EPA ID
 Manifest wmnat302305 Grid
 Destination
 PO
 Profile 113370MI (NON RCRA NON DOT REGULATED MATERIAL (SOIL, PPE, CONCRETE, ASPHALT))
 Generator 129-RACERTRUST RACER TRUST

	Time	Scale	Operator	Inbound	Gross	141260 lb
In	05/09/2014 15:18:47	SCALE1	kcraglow		Tare	56680 lb
Out	05/09/2014 15:18:47		kcraglow		Net	84580 lb
					Tons	42.29

Comments Racer Trust Flint, MI

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	42.29	Tons				MI-GENESEE
2 FUEL-Fuel Surcharg	100		%				MI-GENESEE
3 RCR-P-Regulatory C	100		%				MI-GENESEE
4 EVF-L-Standard Env	100	1	Load				MI-GENESEE
5 561T-SB 561 STATE	100	42.29	Tons				MI-GENESEE

Total Fees
Total Ticket

