



Revitalizing Auto Communities  
Environmental Response Trust

May 24, 2016

Mr. Bryan Duzak  
Ohio Department of Commerce  
Division of State Fire Marshal - BUSTR  
8895 East Main Street  
P.O. Box 687  
Reynoldsburg, OH 43068-9009

RE: Interim Response Action Report and No Further Action Request  
RACER Trust Moraine Facilities, Former South Tank Farm, Moraine, OH  
BUSTR Release # 57000002-N00004

Dear Mr. Duzak:

Revitalizing Auto Communities Environmental Response Trust (RACER Trust) is submitting the attached Interim Response Action Report Form (IRA Report Form) for the RACER Trust Moraine Facilities, Former South Tank Farm site in Moraine, Ohio (Site). The IRA strategy consisted of a soil excavation in the area surrounding soil boring SSB-3. This work was completed consistent with the IRA Notification that was submitted on February 23, 2016.

Excavation activities were completed on March 9, 2016, and backfilling activities were completed from March 30 through 31, 2016. A total of 135.48 tons, approximately 125 cubic yards, of soil was removed from the Site and disposed at an approved landfill facility. Confirmatory soil sampling was completed at the side walls and bottom of the excavation. A total of six soil samples were collected (four sidewall samples and two bottom samples). The samples were biased towards areas with the highest contamination based on visual staining and/or screening results from a photoionization detector (PID). The soil samples were analyzed for total petroleum hydrocarbons (TPH) - diesel range organics (C<sub>10</sub>-C<sub>20</sub>) and TPH - oil range organics (C<sub>20</sub>-C<sub>34</sub>) using United States Environmental Protection Agency (U.S. EPA) Method 8015. The confirmation soil sample results were below the Tier 1 Action Levels (action levels).

The attached IRA Report Form summarizes the excavation activities and the confirmation soil sampling results. Considering there are no remaining soil constituents above action levels at the Former South Tank Farm, RACER Trust respectfully requests No Further Action (NFA) status for BUSTR Release # 57000002-N00004.

If you have any questions, please contact me at (937) 751-8635.

Sincerely,

A handwritten signature in black ink that reads "Pamela L. Barnett". The signature is written in a cursive style with a large, stylized initial "P".

Pamela L. Barnett, PG  
Cleanup Manager (DE, LA, MA, OH, PA, VA)  
RACER Trust

Copies:

Brian Gitzinger, Ohio EPA

Mirtha Cápiro, U.S. EPA

Enclosure:

IRA Report Form



# INTERIM RESPONSE ACTION (IRA) REPORT FORM

(Due within sixty days of completing the activities)

## OWNER/OPERATOR AND FACILITY DATA

### FACILITY INFORMATION:

Revitalizing Auto Communities  
Environmental Response Trust  
COMPANY: (RACER Trust)

ADDRESS: 3600 Dryden Road

CITY: Moraine, Ohio

COUNTY: Montgomery

ZIP CODE: 45439

Latitude 1483371.6285

LAT/LONG: Longitude 620717.2830

FACILITY ID #: 57000002

### OWNER/OPERATOR INFORMATION:

COMPANY: RACER Trust

500 Woodward Avenue,  
ADDRESS: Suite 2650

CITY, STATE: Detroit, MI

ZIP CODE: 48226

CONTACT PERSON: Pamela Barnett

PHONE: 937-751-8635

## IRA ACTIVITIES

### Description of IRA:

On behalf of RACER Trust, Arcadis U.S., Inc. (Arcadis) completed a soil excavation, with an excavation contractor (Empaco Equipment Corporation), at the RACER Trust Moraine Facilities, Former South Tank Farm site in Moraine, Ohio (Site). The excavation activities were completed to address concentrations of total petroleum hydrocarbons (TPH) – diesel range organics (C<sub>10</sub>-C<sub>20</sub>) and TPH – oil range organics (C<sub>20</sub>-C<sub>34</sub>) that exceeded the Ohio Bureau of Underground Storage Tank Regulations (BUSTR) Tier 1 Actions Levels (action levels) in shallow soil in the vicinity of soil boring SSB-3. On March 9, 2016, excavation, stockpiling, and confirmation soil sampling were completed. From March 30 through 31, 2016, the stockpiled soil was transported off-site for proper disposal, and backfilling was completed. A site location map is presented on **Figure 1**. TPH soil analytical results are presented on **Figure 2**.

A total of 135.48 tons of soil was removed from the 27-foot wide by 25-foot long excavation. The majority of the excavation was completed to approximately four feet below ground surface (bgs). However, the depth of the excavation in the center portion was advanced to approximately six feet bgs due to elevated photoionization detector (PID) field screening readings at approximately four feet bgs. No groundwater was encountered during the excavation; however, piping that was previously abandoned in place was encountered. The piping was inspected and found to be drained with no remaining product in the lines. The encountered pipes were capped using a mechanical cap and left in place. The soil was stockpiled on and covered with poly sheeting while awaiting disposal. Monitoring well SMW-3 was removed as it was located in the center of the excavation area.

Six confirmation soil samples (four sidewall and two bottom) were collected either directly from the

selected location or from the excavator bucket using a clean, disposable sampling tool such as a spoon or trowel. Soil samples were collected and shipped on ice to Test America Laboratories, Inc. in North Canton, Ohio. The confirmation soil samples were analyzed for TPH C<sub>10</sub>-C<sub>20</sub> and C<sub>20</sub>-C<sub>34</sub> by United States Environmental Protection Agency (U.S. EPA) Method 8015. The results of the confirmation soil sampling indicated that concentrations of TPH C<sub>10</sub>-C<sub>20</sub> and C<sub>20</sub>-C<sub>34</sub> did not exceed the action levels and the objective of the IRA was achieved. Analytical results and sampling locations are presented on **Figure 2**. Soil analytical results are presented on **Table 1**. The soil laboratory analytical report is provided as **Attachment 1**.

After receipt of the confirmation soil samples, the excavation was backfilled with a coarse aggregate fill (#304 Limestone), which was purchased commercially off-site and compacted to grade level. The stockpiled soil was transported and disposed of off-site at Petro Cell Division of Petro Environmental, LLC in Washington Courthouse, Ohio. Backfill and waste documentation are provided as **Attachments 2** and **3**, respectively. A photo log of excavation and backfilling activities is presented in **Attachment 4**. The BUSTR Petroleum Contaminated Soil Form is included as **Attachment 5**.

Actual volume of soil and/or ground water remediated: A total of 135.48 tons of soil was excavated and disposed of off-site at an approved landfill facility.

Soil and/or ground water disposal documentation:  
Soil disposal documentation is provided as **Attachment 3**.

**SAMPLE COLLECTION PROCEDURES:**

**SAMPLE PRESERVATION:** Each soil sample was split into two portions. One portion was placed in a sealable plastic bag and allowed to warm to approximately 70 degrees Fahrenheit. The other portion was placed in a laboratory-provided clean glass container and immediately placed on ice within a cooler. The soil portions that were placed in plastic bags were screened with a PID.

**SAMPLING EQUIPMENT:** Excavator buckets, disposable scoops, and nitrile gloves.

**SAMPLING METHOD:** Soil samples were collected off of the excavator bucket or manually, directly from the sides and bottom of the excavation. Clean disposable scoops and nitrile gloves were used to place soil in clean laboratory-provided sample jars.

**FIELD SCREENING:**

**INSTRUMENT USED:** MiniRAE 3000 PID.

**METHODOLOGY USED:** The instrument was calibrated daily using ambient air as the zero calibration and 100 parts per million (ppm) isobutylene as the calibration gas.

**SAMPLING RESULTS**

Soil	PRE-IRA RESULTS			POST IRA RESULTS			
	SB	Depth	Conc. mg/kg	SB	Depth	Conc. mg/kg	Action Level
TPH (C10-C20)	SSB-3	0-2	21,000	B-1	4-6	120	2,000
TPH (C20-C34)	SSB-3	0-2	12,000	B-1	4-6	330	5,000
OTHER:							

**MISCELLANEOUS DATA**

**THE FOLLOWING ITEMS MUST BE ATTACHED:**

***ADDITIONAL INFORMATION WHICH IS REQUIRED BY OAC 1301:7-9-13 OR ADDITIONAL INFORMATION WHICH CLARIFIES THE INVESTIGATION ACTIVITIES SHALL BE SUBMITTED AS APPENDICIES TO THIS REPORT.***

**TABLES:**

TABLE 1 – SOIL ANALYTICAL DATA

**FIGURES:**

FIGURE 1 – SITE LOCATION MAP (FORMER SOUTH TANK FARM)

FIGURE 2 – FORMER SOUTH TANK FARM SOIL ANALYTICAL RESULTS - TPH

**ATTACHMENTS:**

ATTACHMENT 1 – SOIL LABORATORY ANALYTICAL REPORT

ATTACHMENT 2 – BACKFILL WEIGH TICKETS


ATTACHMENT 3 – WASTE TRANSPORTATION AND DISPOSAL MANIFESTS

ATTACHMENT 4 – PHOTO LOG

ATTACHMENT 5 – PETROLEUM CONTAMINATE SOIL (PCS) SOIL FORM

The Interim Response Action Form **must** be signed by the UST owner/operator. The owner/operator is responsible for ensuring all data is accurate, and the form is legible and complete.

**OWNER / OPERATOR SIGNATURE:**



**PRINT NAME:** Pamela L. Barnett

**DATE:** May 24, 2016

**FORM PREPARED BY:**

NAME: Robert Wolford

COMPANY: Arcadis U.S., Inc.

ADDRESS: 100 East Campus View Blvd. Suite 200,  
Columbus, OH 43235

PHONE #: 614-985-9103

EMAIL: Robert.Wolford@arcadis.com

# TABLES



**Table 1**  
**Soil Analytical Data**  
**RACER Trust Moraine Facilities**  
**Moraine, Ohio**

Sample ID	Date Collected	Depth (feet bgs)	TPH C <sub>10</sub> -C <sub>20</sub> (mg/kg)	TPH C <sub>20</sub> -C <sub>34</sub> (mg/kg)	Total TPH (mg/kg)
STF-UST 1-1	11/5/1992	15	--	--	29
STF-UST 1-2	11/5/1992	15	--	--	28
STF-UST 2-2	11/4/1992	15	--	--	12
STF-UST 2-5 Confirmed by SSB-7	11/4/1992	15	--	--	<b>20,900</b>
STF-UST 3-2	11/4/1992	15	--	--	26
STF-UST 3-3	11/4/1992	15	--	--	40
STF-UST 4-1	11/4/1992	15	--	--	11
STF-UST 4-4	11/5/1992	15	--	--	13
STF-UST 5-2	10/30/1992	15	--	--	26
STF-UST 5-4	10/30/1992	15	--	--	31
STF PR	11/12/1992	3	--	--	30
STF DI Removed during IRA Excavation	11/11/1992	3	--	--	<b>7,620</b>
SSB-1	6/10/2014	10 - 12	<17	5.8 J	--
		18 - 20	<18	<18	--
SSB-2	6/10/2014	12 - 14	<17	5.8 J	--
		18 - 20	<17	<17	--
SSB-3 Removed during IRA Excavation	6/10/2014	0 - 2	<b>21,000</b>	<b>12,000</b>	--
		16-18	<17	5.4J	--
SSB-4	5/27/2015	0-2	<17	<17	--
		2-4	32	77	--
SSB-5	5/27/2015	0-2	45	230	--
		2-4	35	300	--
SSB-6	5/27/2015	0-2	15 J	86	--
		2-4	43	120	--
SSB-7	5/27/2015	10-12	14 J	110	--
		15	<17	<17	--
SW-1	3/9/2016	3-4	36	71	--
SW-2	3/9/2016	3-4	34	280	--
SW-3	3/9/2016	3-4	80 J	520	--
SW-4	3/9/2016	3-4	37	280	--

**Table 1**  
**Soil Analytical Data**  
**RACER Trust Moraine Facilities**  
**Moraine, Ohio**

Sample ID	Date Collected	Depth (feet bgs)	TPH C <sub>10</sub> -C <sub>20</sub> (mg/kg)	TPH C <sub>20</sub> -C <sub>34</sub> (mg/kg)	Total TPH (mg/kg)
B-1	3/9/2016	3-4	120	330	--
B-2	3/9/2016	5-6	<21	11 J	--
<b>BUSTR Action Levels - Soil Class I</b>					
TPH Action Level			<b>2,000</b>	<b>5,000</b>	--

Note: Total TPH concentrations greater than 2,000 mg/kg are presented as **Bold**.

-- No applicable action level

Feet bgs - feet below ground surface.

mg/kg - milligrams per kilogram.

TPH - Total petroleum hydrocarbons.

J - Estimated value.

< - Constituent not detected above laboratory reporting limit shown.

B - Compound was detected in method blank and sample.

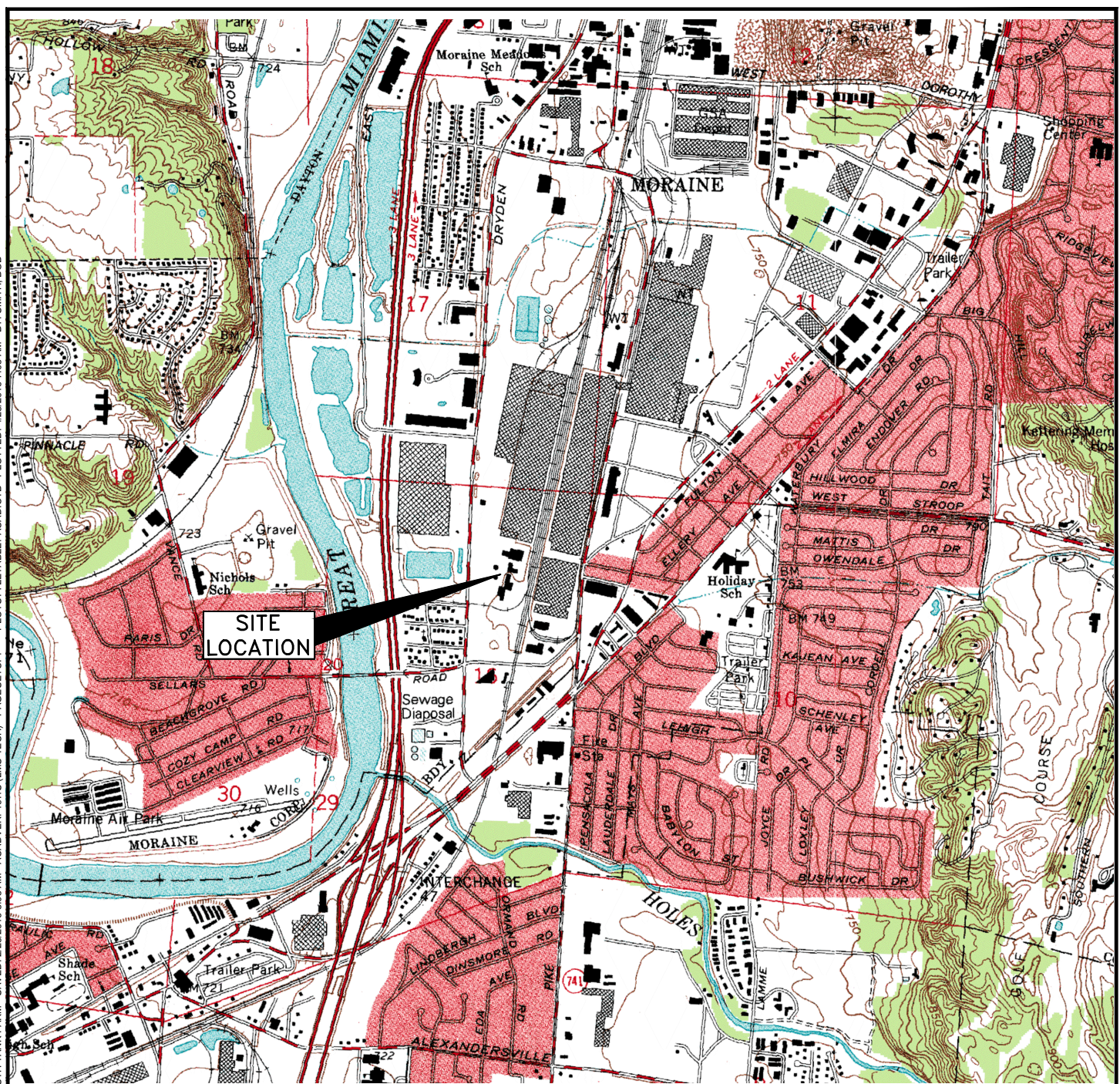
**Bold** - Value exceeds action level.

NA - Not Applicable

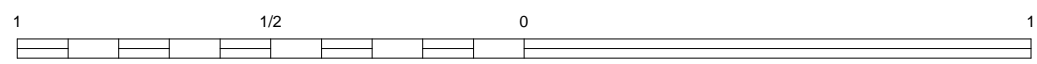
# FIGURES



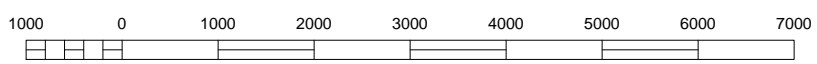
CITY: COLUMBUS, OH DIV: GROUP: (IMDV) DB: (R. SMITH) LD: (Opt) PIC: (Opt) TM: (OPT) LVR: (OR) ON: "OFF" REF: G:\ENV\CAD\Columbus-OH\ACT\OH000294 - RACER TRUST MORaine, OH ACADYER: 2/23/2016 8:05 AM SAVED: 2/23/2016 8:05 AM LAYOUT: SOUTH-TANK FARM PLOTTED: 4/28/2016 7:05 AM BY: SMITH, BOB  
 XREFS: IMAGES: PROJECTNAME: "RACER TRUST MORaine, OH" DAYTON SOUTH.TIF



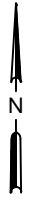
SCALE 1:24 000



SCALE IN MILE



SCALE IN FEET: 1" = 2000'



OHIO QUADRANGLE LOCATION

REFERENCE: USGS 7.5 MINUTE QUADRANGLE; DAYTON SOUTH, OHIO 1966, PHOTO REVISED 1991.

RACER TRUST  
 MORaine, OHIO  
 OH000294.2016

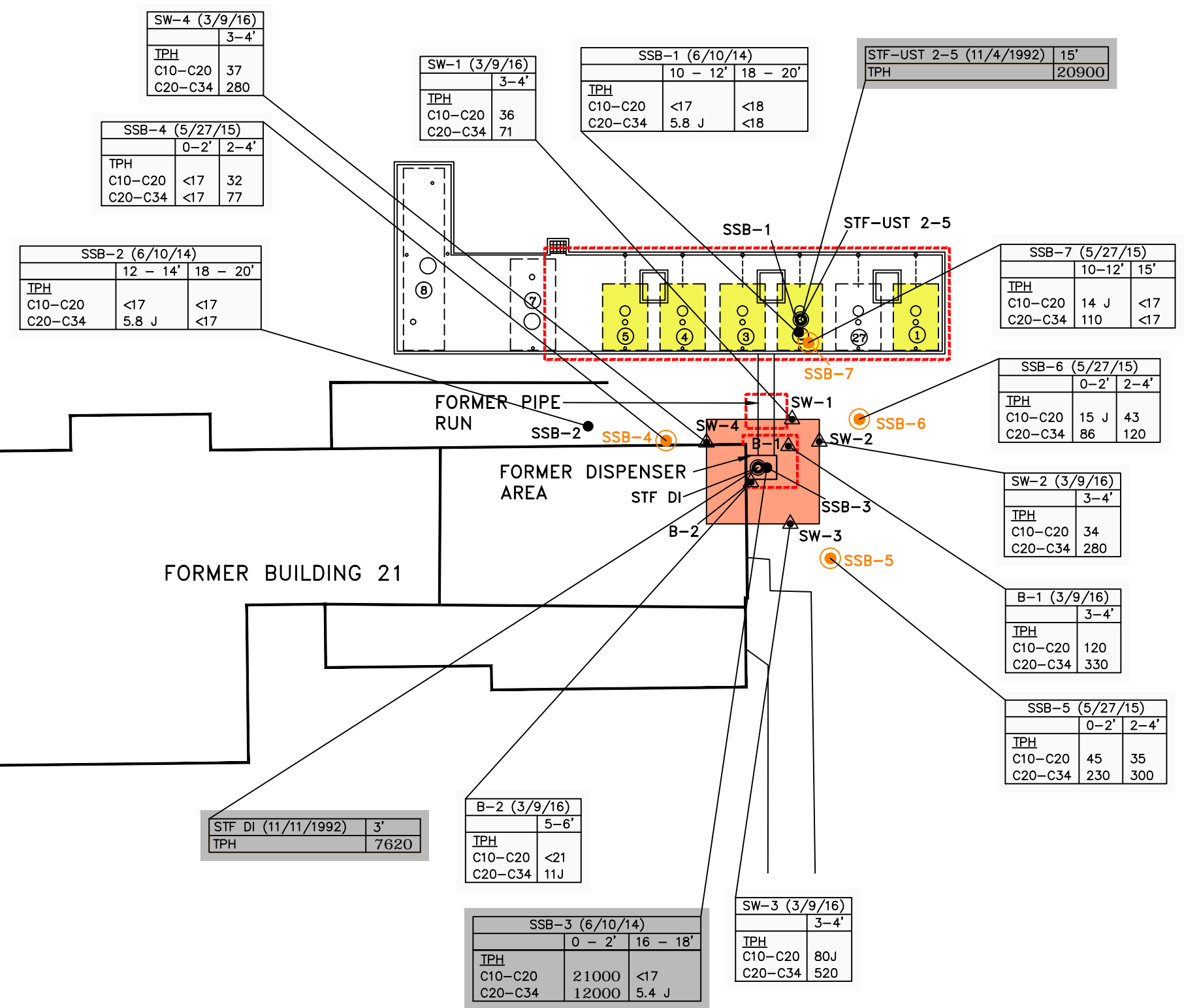
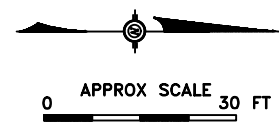
**SITE LOCATION MAP  
 (FORMER SOUTH TANK FARM)**



FIGURE

**1**

CITY: DUBLIN, OHIO DIV: GROUP: ENV DB: R: SMITH, LD: (Opt) PIC: (Opt) PM: (N, GILLOTT) TM: (Opt) LVR: (Opt) ON: OFF=REF- G: ENVCAD/Columbus-OH/ACT/OH000294 - RACER/002/F2942016/002/F-01.dwg LAYOUT: FIG 2 TPH SOIL DATA SAVED: 5/23/2016 10:09 AM ACADVER: 19.1.15 (LMS TECH) PAGES: 19 PLOT: 19.1.15 (LMS TECH) PLOTSETUP: --- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 5/23/2016 10:09 AM BY: SMITH, BOB XREFS:



- LEGEND**
- PREVIOUS EXCAVATION SOIL SAMPLE
  - SOIL BORING (2015)
  - SOIL BORING/MONITORING WELL (2014)
  - ▲ 2016 EXCAVATION SOIL SAMPLE
  - ② TANK NUMBER
  - APPROXIMATE EXTENT OF PREVIOUS EXCAVATION AREAS
  - BOLD** CONCENTRATION EXCEEDS BUSTR ACTION LEVELS
  - J ESTIMATED CONCENTRATION
  - B COMPOUND WAS DETECTED IN METHOD BLANK AND SAMPLE
  - TPH TOTAL PETROLEUM HYDROCARBONS
  - SWMU SOLID WASTE MANAGEMENT UNIT
  - UST UNDERGROUND STORAGE TANK
  - ' FEET BELOW GROUND SURFACE
  - SOIL CONCENTRATIONS WERE CONFIRMED OR DENIED BY RE-SAMPLING IN 2015
  - 2016 EXCAVATION AREA (25'x27')

CONCENTRATIONS SHOWN IN MILLIGRAMS PER KILOGRAM

	BUSTR ACTION LEVELS - GROUNDWATER 15-30 FEET			
	Direct Contact	Soil to Indoor Air	Soil to Outdoor Air	Soil to Drinking Water Leaching
TPH				
C10-C20	2,000	--	--	--
C20-C34	5,000	--	--	--

HISTORICAL UST CONTENTS

BUSTR REGULATED USTs	
1	WASHING OIL (REMOVED 1992)
2	LUB. GEAR OIL (REMOVED 1992)
3	BRUKO D-332 (REMOVED 1992)
4	HYDRAULIC OIL - 215 SEC (REMOVED 1992)
5	CIMTECH 3900 (REMOVED 1992)
OTHER USTs	
7	SWMU T2 - DIRTY OILS (REMOVED 1986)
8	SWMU T3 - DIRTY OILS, VIRGIN MACHINE COOLANT (REMOVED 1986)
27	SWMU T1 - SPENT ALKALINE DETERGENT SOLUTION (REMOVED 1992)

NOTE: TOTAL TPH RESULTS GREATER THAN 2,000 mg/kg ARE SHOWN AS BOLD.

RACER TRUST  
 MORaine, OHIO  
 OH000294.2016

FORMER SOUTH TANK FARM  
 SOIL ANALYTICAL RESULTS - TPH



FIGURE  
**2**

# ATTACHMENT 1

SOIL LABORATORY ANALYTICAL REPORT



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-61975-1

Client Project/Site: South Tank Farm Moraine, OH

For:

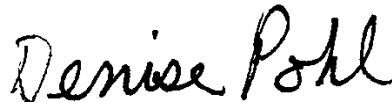
ARCADIS U.S., Inc.

100 E. Campus View Blvd

Suite 200

Columbus, Ohio 43235

Attn: Ms. Emily B Christy



Authorized for release by:

3/24/2016 11:13:00 AM

Denise Pohl, Project Manager II

(330)966-9789

[denise.pohl@testamericainc.com](mailto:denise.pohl@testamericainc.com)



### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

1

2

3

4

5

6

7

8

9

10

11

12

13

14



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Method Summary . . . . .	6
Sample Summary . . . . .	7
Detection Summary . . . . .	8
Client Sample Results . . . . .	9
Surrogate Summary . . . . .	15
QC Sample Results . . . . .	16
QC Association Summary . . . . .	17
Lab Chronicle . . . . .	18
Certification Summary . . . . .	20
Chain of Custody . . . . .	21

# Definitions/Glossary

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Job ID: 240-61975-1**

**Laboratory: TestAmerica Canton**

**Narrative**

## CASE NARRATIVE

**Client: ARCADIS U.S., Inc.**

**Project: South Tank Farm Moraine, OH**

**Report Number: 240-61975-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

### **RECEIPT**

The samples were received on 3/10/2016 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7° C.

### **DIESEL RANGE ORGANICS (DRO)**

Samples SW-1 (240-61975-1), SW-2 (240-61975-2), SW-3 (240-61975-3), SW-4 (240-61975-4), B-1 (240-61975-5) and B-2 (240-61975-6) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 03/11/2016 and analyzed on 03/15/2016 and 03/16/2016.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Sample SW-3 (240-61975-3)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### **PERCENT SOLIDS**

Samples SW-1 (240-61975-1), SW-2 (240-61975-2), SW-3 (240-61975-3), SW-4 (240-61975-4), B-1 (240-61975-5) and B-2

# Case Narrative

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

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## Job ID: 240-61975-1 (Continued)

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### Laboratory: TestAmerica Canton (Continued)

(240-61975-6) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 03/11/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

- 1
- 2
- 3
- 4
- 5
- 6
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- 11
- 12
- 13
- 14

# Method Summary

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396



# Sample Summary

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-61975-1	SW-1	Solid	03/09/16 13:30	03/10/16 11:30
240-61975-2	SW-2	Solid	03/09/16 13:35	03/10/16 11:30
240-61975-3	SW-3	Solid	03/09/16 13:40	03/10/16 11:30
240-61975-4	SW-4	Solid	03/09/16 13:45	03/10/16 11:30
240-61975-5	B-1	Solid	03/09/16 13:50	03/10/16 11:30
240-61975-6	B-2	Solid	03/09/16 14:10	03/10/16 11:30

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- 2
- 3
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- 14

# Detection Summary

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

## Client Sample ID: SW-1

## Lab Sample ID: 240-61975-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C20	36		21	7.9	mg/Kg	1	☼	8015B	Total/NA
C20-C34	71		21	7.9	mg/Kg	1	☼	8015B	Total/NA

## Client Sample ID: SW-2

## Lab Sample ID: 240-61975-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C20	34		20	7.8	mg/Kg	1	☼	8015B	Total/NA
C20-C34	280		20	7.8	mg/Kg	1	☼	8015B	Total/NA

## Client Sample ID: SW-3

## Lab Sample ID: 240-61975-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C20	80	J	96	37	mg/Kg	5	☼	8015B	Total/NA
C20-C34	520		96	37	mg/Kg	5	☼	8015B	Total/NA

## Client Sample ID: SW-4

## Lab Sample ID: 240-61975-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C20	37		20	7.5	mg/Kg	1	☼	8015B	Total/NA
C20-C34	280		20	7.5	mg/Kg	1	☼	8015B	Total/NA

## Client Sample ID: B-1

## Lab Sample ID: 240-61975-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C20	120		21	8.2	mg/Kg	1	☼	8015B	Total/NA
C20-C34	330		21	8.2	mg/Kg	1	☼	8015B	Total/NA

## Client Sample ID: B-2

## Lab Sample ID: 240-61975-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C20-C34	11	J	21	8.1	mg/Kg	1	☼	8015B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: SW-1**  
**Date Collected: 03/09/16 13:30**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-1**  
**Matrix: Solid**  
**Percent Solids: 80.8**

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	36		21	7.9	mg/Kg	☼	03/11/16 07:06	03/15/16 18:29	1
C20-C34	71		21	7.9	mg/Kg	☼	03/11/16 07:06	03/15/16 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	65		40 - 160				03/11/16 07:06	03/15/16 18:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80.8		0.1	0.1	%	-		03/11/16 15:21	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: SW-2**

**Date Collected: 03/09/16 13:35**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-2**

**Matrix: Solid**

**Percent Solids: 82.8**

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	34		20	7.8	mg/Kg	☼	03/11/16 07:06	03/15/16 20:03	1
C20-C34	280		20	7.8	mg/Kg	☼	03/11/16 07:06	03/15/16 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	67		40 - 160				03/11/16 07:06	03/15/16 20:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82.8		0.1	0.1	%			03/11/16 15:21	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: SW-3**  
**Date Collected: 03/09/16 13:40**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-3**  
**Matrix: Solid**  
**Percent Solids: 88.4**

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	80	J	96	37	mg/Kg	☼	03/11/16 07:06	03/16/16 12:39	5
C20-C34	520		96	37	mg/Kg	☼	03/11/16 07:06	03/16/16 12:39	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	56		40 - 160				03/11/16 07:06	03/16/16 12:39	5

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.4		0.1	0.1	%	-		03/11/16 15:21	1



# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: SW-4**

**Date Collected: 03/09/16 13:45**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-4**

**Matrix: Solid**

**Percent Solids: 86.4**

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	37		20	7.5	mg/Kg	☼	03/11/16 07:06	03/15/16 21:07	1
C20-C34	280		20	7.5	mg/Kg	☼	03/11/16 07:06	03/15/16 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	69		40 - 160				03/11/16 07:06	03/15/16 21:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.4		0.1	0.1	%	-		03/11/16 15:21	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: B-1**

**Lab Sample ID: 240-61975-5**

**Date Collected: 03/09/16 13:50**

**Matrix: Solid**

**Date Received: 03/10/16 11:30**

**Percent Solids: 77.1**

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	120		21	8.2	mg/Kg	☼	03/11/16 07:06	03/15/16 21:38	1
C20-C34	330		21	8.2	mg/Kg	☼	03/11/16 07:06	03/15/16 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	67		40 - 160	03/11/16 07:06	03/15/16 21:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77.1		0.1	0.1	%	-		03/11/16 15:21	1

# Client Sample Results

Client: ARCADIS U.S., Inc.  
 Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: B-2**

**Lab Sample ID: 240-61975-6**

**Date Collected: 03/09/16 14:10**

**Matrix: Solid**

**Date Received: 03/10/16 11:30**

**Percent Solids: 79.9**

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	21	U	21	8.1	mg/Kg	☼	03/11/16 07:06	03/15/16 22:10	1
<b>C20-C34</b>	<b>11</b>	<b>J</b>	21	8.1	mg/Kg	☼	03/11/16 07:06	03/15/16 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	58		40 - 160				03/11/16 07:06	03/15/16 22:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids</b>	<b>79.9</b>		0.1	0.1	%	-		03/11/16 15:34	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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- 9
- 10
- 11
- 12
- 13
- 14

# Surrogate Summary

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

**Matrix: Solid**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH1 (40-160)
240-61975-1	SW-1	65
240-61975-1 MS	SW-1	50
240-61975-1 MSD	SW-1	64
240-61975-2	SW-2	67
240-61975-3	SW-3	56
240-61975-4	SW-4	69
240-61975-5	B-1	67
240-61975-6	B-2	58
LCS 240-221103/14-A	Lab Control Sample	61
MB 240-221103/13-A	Method Blank	66

### Surrogate Legend

OTPH = o-Terphenyl (Surr)

# QC Sample Results

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 240-221103/13-A**  
**Matrix: Solid**  
**Analysis Batch: 221608**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 221103**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	17	U	17	6.4	mg/Kg		03/11/16 07:07	03/15/16 17:25	1
C20-C34	17	U	17	6.4	mg/Kg		03/11/16 07:07	03/15/16 17:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	66		40 - 160	03/11/16 07:07	03/15/16 17:25	1

**Lab Sample ID: LCS 240-221103/14-A**  
**Matrix: Solid**  
**Analysis Batch: 221608**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 221103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics [C10 - C28]	83.3	49.8		mg/Kg		60	52 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	61		40 - 160

**Lab Sample ID: 240-61975-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 221608**

**Client Sample ID: SW-1**  
**Prep Type: Total/NA**  
**Prep Batch: 221103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics [C10 - C28]	80		105	134		mg/Kg	☼	52	10 - 124

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	50		40 - 160

**Lab Sample ID: 240-61975-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 221608**

**Client Sample ID: SW-1**  
**Prep Type: Total/NA**  
**Prep Batch: 221103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Diesel Range Organics [C10 - C28]	80		105	187		mg/Kg	☼	102	10 - 124	33	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	64		40 - 160

# QC Association Summary

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

## GC Semi VOA

### Prep Batch: 221103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-61975-1	SW-1	Total/NA	Solid	3540C	
240-61975-1 MS	SW-1	Total/NA	Solid	3540C	
240-61975-1 MSD	SW-1	Total/NA	Solid	3540C	
240-61975-2	SW-2	Total/NA	Solid	3540C	
240-61975-3	SW-3	Total/NA	Solid	3540C	
240-61975-4	SW-4	Total/NA	Solid	3540C	
240-61975-5	B-1	Total/NA	Solid	3540C	
240-61975-6	B-2	Total/NA	Solid	3540C	
LCS 240-221103/14-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-221103/13-A	Method Blank	Total/NA	Solid	3540C	

### Analysis Batch: 221608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-61975-1	SW-1	Total/NA	Solid	8015B	221103
240-61975-1 MS	SW-1	Total/NA	Solid	8015B	221103
240-61975-1 MSD	SW-1	Total/NA	Solid	8015B	221103
240-61975-2	SW-2	Total/NA	Solid	8015B	221103
240-61975-4	SW-4	Total/NA	Solid	8015B	221103
240-61975-5	B-1	Total/NA	Solid	8015B	221103
240-61975-6	B-2	Total/NA	Solid	8015B	221103
LCS 240-221103/14-A	Lab Control Sample	Total/NA	Solid	8015B	221103
MB 240-221103/13-A	Method Blank	Total/NA	Solid	8015B	221103

### Analysis Batch: 221665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-61975-3	SW-3	Total/NA	Solid	8015B	221103

## General Chemistry

### Analysis Batch: 221231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-61975-1	SW-1	Total/NA	Solid	Moisture	
240-61975-2	SW-2	Total/NA	Solid	Moisture	
240-61975-3	SW-3	Total/NA	Solid	Moisture	
240-61975-4	SW-4	Total/NA	Solid	Moisture	
240-61975-5	B-1	Total/NA	Solid	Moisture	
240-61975-6	B-2	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: SW-1**  
**Date Collected: 03/09/16 13:30**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	221231	03/11/16 15:21	BLW	TAL CAN

**Client Sample ID: SW-1**  
**Date Collected: 03/09/16 13:30**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-1**  
**Matrix: Solid**  
**Percent Solids: 80.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			221103	03/11/16 07:06	YDN	TAL CAN
Total/NA	Analysis	8015B		1	221608	03/15/16 18:29	DEB	TAL CAN

**Client Sample ID: SW-2**  
**Date Collected: 03/09/16 13:35**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-2**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	221231	03/11/16 15:21	BLW	TAL CAN

**Client Sample ID: SW-2**  
**Date Collected: 03/09/16 13:35**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-2**  
**Matrix: Solid**  
**Percent Solids: 82.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			221103	03/11/16 07:06	YDN	TAL CAN
Total/NA	Analysis	8015B		1	221608	03/15/16 20:03	DEB	TAL CAN

**Client Sample ID: SW-3**  
**Date Collected: 03/09/16 13:40**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-3**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	221231	03/11/16 15:21	BLW	TAL CAN

**Client Sample ID: SW-3**  
**Date Collected: 03/09/16 13:40**  
**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-3**  
**Matrix: Solid**  
**Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			221103	03/11/16 07:06	YDN	TAL CAN
Total/NA	Analysis	8015B		5	221665	03/16/16 12:39	DEB	TAL CAN

TestAmerica Canton

# Lab Chronicle

Client: ARCADIS U.S., Inc.  
Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

**Client Sample ID: SW-4**

**Date Collected: 03/09/16 13:45**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	221231	03/11/16 15:21	BLW	TAL CAN

**Client Sample ID: SW-4**

**Date Collected: 03/09/16 13:45**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-4**

**Matrix: Solid**

**Percent Solids: 86.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			221103	03/11/16 07:06	YDN	TAL CAN
Total/NA	Analysis	8015B		1	221608	03/15/16 21:07	DEB	TAL CAN

**Client Sample ID: B-1**

**Date Collected: 03/09/16 13:50**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	221231	03/11/16 15:21	BLW	TAL CAN

**Client Sample ID: B-1**

**Date Collected: 03/09/16 13:50**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-5**

**Matrix: Solid**

**Percent Solids: 77.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			221103	03/11/16 07:06	YDN	TAL CAN
Total/NA	Analysis	8015B		1	221608	03/15/16 21:38	DEB	TAL CAN

**Client Sample ID: B-2**

**Date Collected: 03/09/16 14:10**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	221231	03/11/16 15:34	BLW	TAL CAN

**Client Sample ID: B-2**

**Date Collected: 03/09/16 14:10**

**Date Received: 03/10/16 11:30**

**Lab Sample ID: 240-61975-6**

**Matrix: Solid**

**Percent Solids: 79.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			221103	03/11/16 07:06	YDN	TAL CAN
Total/NA	Analysis	8015B		1	221608	03/15/16 22:10	DEB	TAL CAN

**Laboratory References:**

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

# Certification Summary

Client: ARCADIS U.S., Inc.  
 Project/Site: South Tank Farm Moraine, OH

TestAmerica Job ID: 240-61975-1

## Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-16
Illinois	NELAP	5	200004	07-31-16
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-23-17
Kentucky (WW)	State Program	4	98016	12-31-16
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-16
Nevada	State Program	9	OH-000482008A	07-31-16
New Jersey	NELAP	2	OH001	06-30-16 *
New York	NELAP	2	10975	03-31-16 *
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-17
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-17
West Virginia DEP	State Program	3	210	12-31-16
Wisconsin	State Program	5	999518190	08-31-16

\* Certification renewal pending - certification considered valid.

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

**CHAIN OF CUSTODY  
AND  
RECEIVING DOCUMENTS**



240-01975 Chain of Custody

- 1
- 2
- 3
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**TestAmerica Canton**  
4101 Shuffel Street, N. H.

North Canton, OH 44720  
Phone: 330.497.9396 Fax: 330.497.0772

**Chain of Custody Record**

124062

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING  
TestAmerica Laboratories, Inc.  
TAL-8210 (0713)

Regulatory Program:  DW  NPDES  RCRA  Other: **B45TR**

Project Manager: **JASON MENDOZA** Date: **03/09/2014** Carrier: \_\_\_\_\_  
Tel/Fax: **614 985 9101**

Client Contact: \_\_\_\_\_  
Company Name: **ARCADIS**  
Address: **100 E. CAMPUS VIEW BLVD SUITE 200**  
City/State/Zip: **COLUMBUS, OH 43235**  
Phone: **614 985 9100**  
Fax: \_\_\_\_\_  
Project Name: **South Tent Farm - EMER TRUST OH**  
Site: **South Tent Farm, Marietta, OH**  
PO# **OH000294.2016**

Site Contact: \_\_\_\_\_  
COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sampler: **Christine Fabrick**  
For Lab Use Only: \_\_\_\_\_  
Walk-in Client: \_\_\_\_\_  
Lab Sampling: \_\_\_\_\_  
Job / SDG No.: \_\_\_\_\_

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below: **Std**  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes:
3/9/16	1330	G	S	1	N	N	
3/9/16	1335	G	S	1	N	N	
3/9/16	1340	G	S	1	N	N	
3/9/16	1345	G	S	1	N	N	
3/9/16	1350	G	S	1	N	N	
3/9/16	1410	G	S	1	N	N	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3; 5=NaOH; 6= Other \_\_\_\_\_  
Possible Hazard Identification: \_\_\_\_\_  
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  
 Poison B  Unknown

Special Instructions/QC Requirements & Comments: \_\_\_\_\_

Custody Seals Intact:  Yes  No  
Relinquished by: **Christine Fabrick** Date/Time: **3/10/16 11:30am**  
Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: **Christine Fabrick** Date/Time: **3-10-16 11:30am**  
Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Received in Laboratory by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Company: **ARCADIS**  
Company: **ARCADIS**  
Company: \_\_\_\_\_

Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
Therm ID No.: \_\_\_\_\_

Return to Client:  Disposal by Lab:  Archive for: \_\_\_\_\_ Months

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14

Canton Facility \_\_\_\_\_

Client Arcadis Site Name South Tank Farm Cooler unpacked by J. Naystilles

Cooler Received on 3-10-16 Opened on 3-10-16

FedEx: 1<sup>st</sup> Grd  UPS  FAS  Stetson  Client Drop Off  TestAmerica Courier  Other

Receipt After-hours: Drop-off Date/Time \_\_\_\_\_ Storage Location \_\_\_\_\_

TestAmerica Cooler # \_\_\_\_\_ Foam Box  Client Cooler  Box  Other

Packing material used:  Bubble Wrap  Foam  Plastic Bag  None  Other \_\_\_\_\_

COOLANT:  Wet Ice  Blue Ice  Dry Ice  Water  None

1. Cooler temperature upon receipt  - See Multiple Cooler Form  
 IR GUN# 48 (CF -1.9 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C  
 IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C  
 IR GUN# 18 (CF -0.5 °C) Observed Cooler Temp. 1.2 °C Corrected Cooler Temp. 0.7 °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1  Yes  No

-Were custody seals on the outside of the cooler(s) signed & dated?  Yes  No  NA

-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?  Yes  No

3. Shippers' packing slip attached to the cooler(s)?  Yes  No

4. Did custody papers accompany the sample(s)?  Yes  No

5. Were the custody papers relinquished & signed in the appropriate place?  Yes  No

6. Was/were the person(s) who collected the samples clearly identified on the COC?  Yes  No

7. Did all bottles arrive in good condition (Unbroken)?  Yes  No

8. Could all bottle labels be reconciled with the COC?  Yes  No

9. Were correct bottle(s) used for the test(s) indicated?  Yes  No

10. Sufficient quantity received to perform indicated analyses?  Yes  No

11. Are these work share samples?  Yes  No

*If yes, Questions 12-16 have been checked at the originating laboratory.*

12. Were sample(s) at the correct pH upon receipt?  Yes  No  NA pH Strip Lot# HC559158

13. Were VOAs on the COC?  Yes  No

14. Were air bubbles >6 mm in any VOA vials?  Yes  No  NA

15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # \_\_\_\_\_  Yes  No

16. Was a LL Hg or Me Hg trip blank present?  Yes  No

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other \_\_\_\_\_

Concerning \_\_\_\_\_

**17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES** Samples processed by: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**18. SAMPLE CONDITION**  
 Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.  
 Sample(s) \_\_\_\_\_ were received in a broken container.  
 Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter. (Notify PM)

**19. SAMPLE PRESERVATION**  
 Sample(s) \_\_\_\_\_ were further preserved in the laboratory.  
 Time preserved: \_\_\_\_\_ Preservative(s) added/Lot number(s): \_\_\_\_\_

# ATTACHMENT 2

## BACKFILL WEIGH TICKETS






Sold To: 244975 Job#: 888801 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/09/16 Time: 10:20 PO No:  
 Truck: EMPACO TT6  
 Hauler:  
 HaulRate: DRYDEN RD

Ticket#: 5860415

Sold From: 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAXABLE TRK  
 MISCELLANEOUS JOB TAXABLE TRUCK



Read important health information on reverse.  
**PRECAUCIÓN**  
 Lease la información importante para la salud en el reverso.  
**WARNING**

Lot#	Lds Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job: 1	21.92	21.92	Tare:	(1)	29,500	14.75	Matl \$
Dest: 1	21.92	21.92	Net:		43,840	21.92	Tax \$ OHMONT
Product Number: 2307							Haul \$
Desc: #304 LMNSTN							Total\$
Sec. Product: 0.00			QTY:		21.92	Ton	Payment Recvd By:
Additional Information:							Max GVW: 74,700.00
							Weighperson: LADEANNA RAMSE
							WINTER LOADING HOURS
							M - F 7:30 - 3:00

Driver: 22.6 MAX

Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).




Sold To: 244975 Job#: 888801 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/09/16 Time: 10:20 PO No:  
 Truck: EMPACO TT6  
 Hauler:  
 HaulRate: DRYDEN RD

Ticket#: 5860415

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 MISC JOB TAXABLE TRK  
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Product Number: 2307							Haul \$
Desc: #304 LMNSTN							Total\$
Sec. Product: 0.00			QTY:		21.92	Ton	Payment Recvd By:
Additional Information:							Max GVW: 74,700.00
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							M - F 7:30 - 3:00

Driver: 22.6 MAX

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 RICHFIELD OH 44286

Date: 03/09/16 Time: 10:20 PO No:  
 Truck: EMPACO TT6  
 Hauler:  
 HaulRate: DRYDEN RD

Ticket#: 5860415

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 MISCELLANEOUS JOB TAXABLE TRUCK



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Product Number: 2307							Haul \$
Desc: #304 LMNSTN							Total\$
Sec. Product: 0.00			QTY:		21.92	Ton	Payment Recvd By:
Additional Information:							Max GVW: 74,700.00
							Weighperson: LADEANNA RAMSE
							WINTER LOADING HOURS
							M - F 7:30 - 3:00

Driver: 22.6 MAX

Customer:

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Sold To: 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/09/16 Time: 11:39 PO No:  
 Truck: EMPACO TT6  
 Hauler:  
 HaulRate: DRYDEN RD JOB

Ticket#: 5860421

Sold From: 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job: 1	1	21.74	21.74	Gross:	(1)	72,980	36.49	Matl \$
Dest: 1	1	21.74	21.74	Tare:	(1)	29,500	14.75	Tax \$
Product Number: 2307				Net:		43,480	21.74	Haul \$
Desc: #304 LMNSTN								Total\$
Sec. Product:		0.00		QTY:		21.74	Ton	Max GVW: 74,700.00
Additional Information:								Weighperson: LADEANNA RAMSE
								WINTER LOADING HOURS
								M - F 7:30 - 3:00

Driver: 22.6 MAX

Customer:

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 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/09/16 Time: 11:39 PO No:  
 Truck: EMPACO TT6  
 Hauler:  
 HaulRate: DRYDEN RD JOB

Ticket#: 5860421

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 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job: 1	1	21.74	21.74	Gross:	(1)	72,980	36.49	Matl \$
Dest: 1	1	21.74	21.74	Tare:	(1)	29,500	14.75	Tax \$
Product Number: 2307				Net:		43,480	21.74	Haul \$
Desc: #304 LMNSTN								Total\$
Sec. Product:		0.00		QTY:		21.74	Ton	Max GVW: 74,700.00
Additional Information:								Weighperson: LADEANNA RAMSE
								WINTER LOADING HOURS
								M - F 7:30 - 3:00

Driver: 22.6 MAX

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Job: 1	1	21.74	21.74	Gross:	(1)	72,980	36.49	Matl \$
Dest: 1	1	21.74	21.74	Tare:	(1)	29,500	14.75	Tax \$
Product Number: 2307				Net:		43,480	21.74	Haul \$
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Sec. Product:		0.00		QTY:		21.74	Ton	Max GVW: 74,700.00
Additional Information:								Weighperson: LADEANNA RAMSE
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Sold To: 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/09/16 Time: 13:02 PO No:  
 Truck: EMPACO TT6  
 Hauler:  
 HaulRate: DRYDEN RD JOB

Ticket#: 5860424

Sold From: 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	2	43.28	43.28	Tare:	(1)	29,500	14.75	Matl \$
Dest:	2	43.28	43.28	Net:		43,080	21.54	Tax \$
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	0.00			QTY:		21.54	Ton	Payment Recvd By:
Additional Information:								Max GVW: 74,700.00
								Weighperson: LADEANNA RAMSE
								WINTER LOADING HOURS
								M - F 7:30 - 3:00

Driver: 22.6 MAX

Customer:

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Sold To: 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/09/16 Time: 13:02 PO No:  
 Truck: EMPACO TT6  
 Hauler:  
 HaulRate: DRYDEN RD JOB

Ticket#: 5860424

Sold From: 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



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Job:	2	43.28	43.28	Tare:	(1)	29,500	14.75	Matl \$
Dest:	2	43.28	43.28	Net:		43,080	21.54	Tax \$
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	0.00			QTY:		21.54	Ton	Payment Recvd By:
Additional Information:								Max GVW: 74,700.00
								Weighperson: LADEANNA RAMSE
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								M - F 7:30 - 3:00

Driver: 22.6 MAX

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 PO BOX 535  
 RICHFIELD OH 44286

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Job:	2	43.28	43.28	Tare:	(1)	29,500	14.75	Matl \$
Dest:	2	43.28	43.28	Net:		43,080	21.54	Tax \$
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	0.00			QTY:		21.54	Ton	Payment Recvd By:
Additional Information:								Max GVW: 74,700.00
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								M - F 7:30 - 3:00

Driver: 22.6 MAX

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**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/09/16 **Time:** 14:15 **PO No:**  
**Truck:** EMPACO TT6  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5860427**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	4	87.09	87.09	Tare:	(1)	73,280	36.64	Matl \$
Dest:	4	87.09	87.09	Net:		29,500	14.75	Tax \$
Product Number:	2307					43,780	21.89	Haul \$
Desc:	#304 LMNSTN							Payment Recvd By:
Sec. Product:	0.00			QTY:		21.89	Ton	Total\$
Additional Information:								Max GVW: 74,700.00
								Weighperson: LADEANNA RAMSE
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								M - F 7:30 - 3:00

Driver: 22.6 MAX

Customer:

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 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/09/16 **Time:** 14:15 **PO No:**  
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Job:	4	87.09	87.09	Tare:	(1)	73,280	36.64	Matl \$
Dest:	4	87.09	87.09	Net:		29,500	14.75	Tax \$
Product Number:	2307					43,780	21.89	Haul \$
Desc:	#304 LMNSTN							Payment Recvd By:
Sec. Product:	0.00			QTY:		21.89	Ton	Total\$
Additional Information:								Max GVW: 74,700.00
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Driver: 22.6 MAX

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Sec. Product:	0.00			QTY:		21.89	Ton	Total\$
Additional Information:								Max GVW: 74,700.00
								Weighperson: LADEANNA RAMSE
								WINTER LOADING HOURS
								M - F 7:30 - 3:00

Driver: 22.6 MAX

Customer:

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**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 08:11 **PO No:** PR861  
**Truck:** EMP36 EMP  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861226**

**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

**WARNING**  
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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	1	21.02	108.11	Tare:	(1)	29,380	14.69	Matl \$
Dest:	1	21.02	108.11	Net:		42,040	21.02	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	QTY: 21.02 Ton							Payment Recvd By:

**Additional Information:** Max GVW: 80,700.00  
 Weighperson: LADEANNA RAMSE  
 WINTER LOADING HOURS  
 M - F 7:30 - 3:00

**Driver:** \_\_\_\_\_ **Customer:** \_\_\_\_\_  
 Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 08:11 **PO No:** PR861  
**Truck:** EMP36 EMP  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

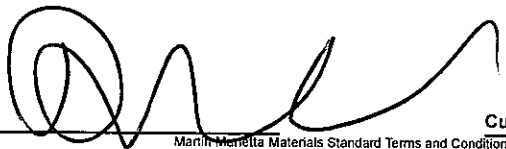
**Ticket#: 5861226**

**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
 Léase la información importante para la salud en el reverso.

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	1	21.02	108.11	Tare:	(1)	29,380	14.69	Matl \$
Dest:	1	21.02	108.11	Net:		42,040	21.02	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	QTY: 21.02 Ton							Payment Recvd By:

**Additional Information:** Max GVW: 80,700.00  
 Weighperson: LADEANNA RAMSE  
 WINTER LOADING HOURS  
 M - F 7:30 - 3:00

**Driver:**  **Customer:** \_\_\_\_\_  
 Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 08:11 **PO No:** PR861  
**Truck:** EMP36 EMP  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB


**Ticket#: 5861226**

**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
 Léase la información importante para la salud en el reverso.

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	1	21.02	108.11	Tare:	(1)	29,380	14.69	Matl \$
Dest:	1	21.02	108.11	Net:		42,040	21.02	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	QTY: 21.02 Ton							Payment Recvd By:

**Additional Information:** Max GVW: 80,700.00  
 Weighperson: LADEANNA RAMSE  
 WINTER LOADING HOURS  
 M - F 7:30 - 3:00

**Driver:**  **Customer:** \_\_\_\_\_  
 Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 08:15 **PO No:** PR861  
**Truck:** EMP48 EMPACO  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861228**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	2	42.15	129.24	Tare:	(1)	29,320	14.66	Matl \$
Dest:	2	42.15	129.24	Net:		42,260	21.13	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:				QTY:		21.13	Ton	Payment Recvd By:
Additional Information:								Max GVW: 80,700.00
								Weighperson: LADEANNA RAMSE
								WINTER LOADING HOURS
								M - F 7:30 - 3:00

**Driver:** \_\_\_\_\_ **Customer:** \_\_\_\_\_  
 Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 08:15 **PO No:** PR861  
**Truck:** EMP48 EMPACO  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861228**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	2	42.15	129.24	Tare:	(1)	29,320	14.66	Matl \$
Dest:	2	42.15	129.24	Net:		42,260	21.13	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:				QTY:		21.13	Ton	Payment Recvd By:
Additional Information:								Max GVW: 80,700.00
								Weighperson: LADEANNA RAMSE
								WINTER LOADING HOURS
								M - F 7:30 - 3:00

**Driver:** \_\_\_\_\_ **Customer:** \_\_\_\_\_  
 Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 08:15 **PO No:** PR861  
**Truck:** EMP48 EMPACO  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB


**Ticket#: 5861228**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	2	42.15	129.24	Tare:	(1)	29,320	14.66	Matl \$
Dest:	2	42.15	129.24	Net:		42,260	21.13	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:				QTY:		21.13	Ton	Payment Recvd By:
Additional Information:								Max GVW: 80,700.00
								Weighperson: LADEANNA RAMSE
								WINTER LOADING HOURS
								M - F 7:30 - 3:00


**Driver:** Kurt \_\_\_\_\_ **Customer:** PR 861 \_\_\_\_\_  
 Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
 Léase la información importante para la salud en el reverso.



**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
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**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
 Léase la información importante para la salud en el reverso.



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 14:58 **PO No:** PR861  
**Truck:** EMP18 **EMPACO**  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861276**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Matl \$	Cash Sale
Job:	3	54.21	141.30	Tare:	(1)	27,900	13.95		OHMONT
Dest:	3	54.21	141.30	Net:		24,120	12.06		
Product Number:	2307								Payment Recvd By:
Desc:	#304 LMNSTN							<b>Total\$</b>	
Sec. Product:				QTY:		12.06	Ton	Max GVW:	68,850.00
Additional Information:								Weighperson:	LADÉANNA RAMSE
								WINTER LOADING HOURS	
								M - F 7:30 - 3:00	

Driver: *PEACH*


Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 14:58 **PO No:** PR861  
**Truck:** EMP18 **EMPACO**  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861276**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Matl \$	Cash Sale
Job:	3	54.21	141.30	Tare:	(1)	27,900	13.95		OHMONT
Dest:	3	54.21	141.30	Net:		24,120	12.06		
Product Number:	2307								Payment Recvd By:
Desc:	#304 LMNSTN							<b>Total\$</b>	
Sec. Product:				QTY:		12.06	Ton	Max GVW:	68,850.00
Additional Information:								Weighperson:	LADÉANNA RAMSE
								WINTER LOADING HOURS	
								M - F 7:30 - 3:00	

Driver:


Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/30/16 **Time:** 14:58 **PO No:** PR861  
**Truck:** EMP18 **EMPACO**  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861276**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Matl \$	Cash Sale
Job:	3	54.21	141.30	Tare:	(1)	27,900	13.95		OHMONT
Dest:	3	54.21	141.30	Net:		24,120	12.06		
Product Number:	2307								Payment Recvd By:
Desc:	#304 LMNSTN							<b>Total\$</b>	
Sec. Product:				QTY:		12.06	Ton	Max GVW:	68,850.00
Additional Information:								Weighperson:	LADÉANNA RAMSE
								WINTER LOADING HOURS	
								M - F 7:30 - 3:00	

Driver:

Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/31/16 **Time:** 07:50 **PO No:** PR861  
**Truck:** EMP18 **EMPACO**  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861279**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Matl \$	Cash Sale
Job:	1	13.35	154.65	Tare:	(1)	54,600	27.30	Tax \$	OHMONT
Dest:	1	13.35	154.65	Net:		27,900	13.95	Haul \$	
Product Number:	2307					26,700	13.35	Total\$	Payment Recvd By:
Desc:	#304 LMNSTN								
Sec. Product:	QTY: 13.35 Ton							Max GVW:	68,850.00
Additional Information:								Weighperson:	LADEANNA RAMSE
									WINTER LOADING HOURS
									M - F 7:30 - 3:00

Driver:

Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/31/16 **Time:** 07:50 **PO No:** PR861  
**Truck:** EMP18 **EMPACO**  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861279**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Matl \$	Cash Sale
Job:	1	13.35	154.65	Tare:	(1)	54,600	27.30	Tax \$	OHMONT
Dest:	1	13.35	154.65	Net:		27,900	13.95	Haul \$	
Product Number:	2307					26,700	13.35	Total\$	Payment Recvd By:
Desc:	#304 LMNSTN								
Sec. Product:	QTY: 13.35 Ton							Max GVW:	68,850.00
Additional Information:								Weighperson:	LADEANNA RAMSE
									WINTER LOADING HOURS
									M - F 7:30 - 3:00

Driver:

Customer:

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**Sold To:** 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286  
**Date:** 03/31/16 **Time:** 07:50 **PO No:** PR861  
**Truck:** EMP18 **EMPACO**  
**Hauler:**  
**HaulRate:** DRYDEN RD JOB

**Ticket#: 5861279**  
**Sold From:** 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER  
**Job/Dest. Information**  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK

Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Matl \$	Cash Sale
Job:	1	13.35	154.65	Tare:	(1)	54,600	27.30	Tax \$	OHMONT
Dest:	1	13.35	154.65	Net:		27,900	13.95	Haul \$	
Product Number:	2307					26,700	13.35	Total\$	Payment Recvd By:
Desc:	#304 LMNSTN								
Sec. Product:	QTY: 13.35 Ton							Max GVW:	68,850.00
Additional Information:								Weighperson:	LADEANNA RAMSE
									WINTER LOADING HOURS
									M - F 7:30 - 3:00

Driver: *[Signature]*

Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).

**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
 Léase la información importante para la salud en el reverso.

**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
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**WARNING**  
 Read important health information on reverse.  
**PRECAUCIÓN**  
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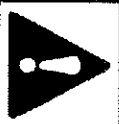
Sold To: 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/31/16 Time: 09:58 PO No: PR861  
 Truck: EMP18 EMPACO  
 Hauler:  
 HaulRate: DRYDEN RD JOB

**Ticket#: 5861290**

Sold From: 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



Read important health information on reverse.  
**WARNING**  
 PRECAUCIÓN  
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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	2	26.94	168.24	Tare:	(1)	27,900	13.95	Matl \$
Dest:	2	26.94	168.24	Net:		27,180	13.59	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	QTY: 13.59 Ton							Payment Recvd By:
Additional Information:								Max GVW: 68,850.00
							Weighperson: LADEANNA RAMSE	
							WINTER LOADING HOURS	
							M - F 7:30 - 3:00	

Driver:

Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



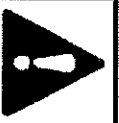
Sold To: 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/31/16 Time: 09:58 PO No: PR861  
 Truck: EMP18 EMPACO  
 Hauler:  
 HaulRate: DRYDEN RD JOB

**Ticket#: 5861290**

Sold From: 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



Read important health information on reverse.  
**WARNING**  
 PRECAUCIÓN  
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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	2	26.94	168.24	Tare:	(1)	27,900	13.95	Matl \$
Dest:	2	26.94	168.24	Net:		27,180	13.59	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	QTY: 13.59 Ton							Payment Recvd By:
Additional Information:								Max GVW: 68,850.00
							Weighperson: LADEANNA RAMSE	
							WINTER LOADING HOURS	
							M - F 7:30 - 3:00	

Driver:

Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).



Sold To: 244975 Job#: 888802 001  
 EMPACO EQUIPMENT CORP  
 PO BOX 535  
 RICHFIELD OH 44286

Date: 03/31/16 Time: 09:58 PO No: PR861  
 Truck: EMP18 EMPACO  
 Hauler:  
 HaulRate: DRYDEN RD JOB

**Ticket#: 5861290**

Sold From: 46207 Phillipsburg Quarry  
 DISPATCH 1-800-331-4242  
 ODOT PRE-QUALIFIED  
 AGGREGATE SUPPLIER

Job/Dest. Information  
 MISC JOB TAX EXEMPT TRK  
 MISCELLANEOUS JOB EXEMPT TRUCK



Read important health information on reverse.  
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Lot#	Lds	Today Quantity	To Date Quantity	Gross:	(1)	Lbs	Tons	Cash Sale
Job:	2	26.94	168.24	Tare:	(1)	27,900	13.95	Matl \$
Dest:	2	26.94	168.24	Net:		27,180	13.59	Tax \$ OHMONT
Product Number:	2307							Haul \$
Desc:	#304 LMNSTN							Total\$
Sec. Product:	QTY: 13.59 Ton							Payment Recvd By:
Additional Information:								Max GVW: 68,850.00
							Weighperson: LADEANNA RAMSE	
							WINTER LOADING HOURS	
							M - F 7:30 - 3:00	

Driver:

Customer:

Martin Marietta Materials Standard Terms and Conditions apply (copy available at Site Office).

*PJS*

# ATTACHMENT 3

WASTE TRANSPORTATION AND DISPOSAL MANIFESTS



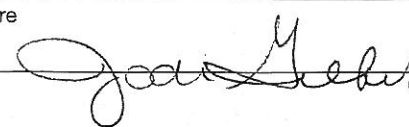


<b>PETRO CELL PETROLEUM CONTAMINATED SOIL MANIFEST</b>		1. Generators US EPA ID No. (if applicable)	2. Control Number SW16-104		
3. Generators Name and Site Address  Racer Trust Property (near 4200) Dryden Rd. at Hoylake Ct Moraine, OH					
4. Generator's Phone ( )					
5. Transporter 1 Company Name		6. US EPA ID Number	A. Transporter's Phone		
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Petro Cell Division of Petro Environmental, LLC 1600 Robinson Road Washington Courthouse, OH 43160		10. US EPA ID Number <b>OHD 9806 10968</b>	C. Facility's Phone <b>(740) 335 1508</b>		
			D. Office Phone <b>(800) 955 7380</b>		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) [HM]		12 Total Quantity	13 Yards/Tons		
a.	<b>NON HAZARDOUS PETROLEUM CONTAMINATED SOIL</b>		22.95		
b.					
c.					
J. Additional Description for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
14. Special Handling Instructions and Additional Information					
15. <b>CERTIFICATION:</b> I hereby declare that the contents of this consignment are not subject to federal regulation for reporting proper disposal of Hazardous Waste. The contents are Petroleum Contaminated Soils defined by the Ohio Environmental Protection Agency.					
Printed/Typed Name Christine Probulick / Arcedis / RACER TRUST		Signature <i>[Signature]</i>	Month	Day	Year
			03	30	2016
Transporter 1 Acknowledgement of Receipt of Materials					
16. Printed/Typed Name Don Miller		Signature <i>[Signature]</i>	Month	Day	Year
			03	30	16
Transporter 2 Acknowledgement of Receipt of Materials					
17. Printed/Typed Name		Signature	Month	Day	Year
18. Discrepancy Indication Space  SORTING: Yes No		19. Quadrant Received			
20. Facility Owner of Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.					
Printed/Typed Name Jodi Gilbert		Signature <i>[Signature]</i>	Month	Day	Year
			03	30	16

CELTIC MEDIA GROUP (330) 72-7725

<b>PETRO CELL PETROLEUM CONTAMINATED SOIL MANIFEST</b>		1. Generators US EPA ID No. (if applicable)	2. Control Number <b>SW16-004</b>	
3. Generators Name and Site Address <b>Racer Trust Property (near 4200) Dryden Rd. at Hoylake Ct. Moraine, OH</b>				
4. Generator's Phone ( )				
5. Transporter 1 Company Name		6. US EPA ID Number	A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address <b>Petro Cell Division of Petro Environmental, LLC 1600 Robinson Road Washington Courthouse, OH 43160</b>		10. US EPA ID Number <b>OHD 9806 10968</b>	C. Facility's Phone <b>(740) 335 1508</b>	
			D. Office Phone <b>(800) 955 7380</b>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Total Quantity	13. Yards/Tons	
HM				
a.	<b>NON HAZARDOUS PETROLEUM CONTAMINATED SOIL</b>		25.16	
b.				
c.				
J. Additional Description for Materials Listed Above			K. Handling Codes for Wastes Listed Above	
14. Special Handling Instructions and Additional Information				
15. <b>CERTIFICATION:</b> I hereby declare that the contents of this consignment are not subject to federal regulation for reporting proper disposal of Hazardous Waste. The contents are Petroleum Contaminated Soils defined by the Ohio Environmental Protection Agency.				
Printed/Typed Name <b>Christine Pribelick / Arcadis / RACER TRUST</b>		Signature <i>[Signature]</i>		Month Day Year <b>03 30 2016</b>
Transporter 1 Acknowledgement of Receipt of Materials				
16. Printed/Typed Name <b>KURT HARTSEN</b>		Signature <i>[Signature]</i>		Month Day Year <b>3 30 16</b>
Transporter 2 Acknowledgement of Receipt of Materials				
17. Printed/Typed Name		Signature		Month Day Year . . .
18. Discrepancy Indication Space <b>SORTING: Yes No</b>		19. Quadrant Received		
20. Facility Owner of Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.				
Printed/Typed Name <b>Jodi Gilbert</b>		Signature <i>[Signature]</i>		Month Day Year <b>3 30 16</b>

CELTIC MEDIA GROUP (330) 72-7725

<b>PETRO CELL PETROLEUM CONTAMINATED SOIL MANIFEST</b>		1. Generators US EPA ID No. (if applicable)	2. Control Number <b>SW16-004</b>	
3. Generators Name and Site Address <b>Racer Trust Property (near 4200) Dryden Rd. at Hoylake Ct. Moraine, OH</b>				
4. Generator's Phone ( )				
5. Transporter 1 Company Name		6. US EPA ID Number	A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address <b>Petro Cell Division of Petro Environmental, LLC 1600 Robinson Road Washington Courthouse, OH 43160</b>		10. US EPA ID Number <b>OHD 9806 10968</b>	C. Facility's Phone <b>(740) 335 1508</b>	
			D. Office Phone <b>(800) 955 7380</b>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Total Quantity	13. Yards/Tons	
a. <b>NON HAZARDOUS PETROLEUM CONTAMINATED SOIL</b>			<b>24.62</b>	
b.				
c.				
J. Additional Description for Materials Listed Above			K. Handling Codes for Wastes Listed Above	
14. Special Handling Instructions and Additional Information				
15. <b>CERTIFICATION:</b> I hereby declare that the contents of this consignment are not subject to federal regulation for reporting proper disposal of Hazardous Waste. The contents are Petroleum Contaminated Soils defined by the Ohio Environmental Protection Agency.				
Printed/Typed Name <b>Christine Pribick / Accadis / RACER TRUST</b>		Signature 		Month Day Year <b>03 30 2016</b>
Transporter 1 Acknowledgement of Receipt of Materials				
16. Printed/Typed Name <b>Don Minner</b>		Signature 		Month Day Year <b>03 30 16</b>
Transporter 2 Acknowledgement of Receipt of Materials				
17. Printed/Typed Name		Signature		Month Day Year . . .
18. Discrepancy Indication Space <b>SORTING: Yes No</b>		19. Quadrant Received		
20. Facility Owner of Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.				
Printed/Typed Name <b>Joel Gilbert</b>		Signature 		Month Day Year <b>3 30 16</b>

CELTIC MEDIA GROUP (330) 72-7725

<b>PETRO CELL PETROLEUM CONTAMINATED SOIL MANIFEST</b>		1. Generators US EPA ID No. (if applicable)	2. Control Number: <b>SW16-004</b>		
3. Generators Name and Site Address <b>Racer Trust Property (near 4200) Dryden Rd. at Hoylake Ct. Moraine, OH)</b>					
4. Generator's Phone ( )					
5. Transporter 1 Company Name		6. US EPA ID Number	A. Transporter's Phone		
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address <b>Petro Cell Division of Petro Environmental, LLC 1600 Robinson Road Washington Courthouse, OH 43160</b>		10. US EPA ID Number <b>OHD 9806 10968</b>	C. Facility's Phone <b>(740) 335 1508</b>		
			D. Office Phone <b>(800) 955 7380</b>		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Total Quantity	13. Yards/Tons		
a. <b>NON HAZARDOUS PETROLEUM CONTAMINATED SOIL</b>			23.20		
b.					
c.					
J. Additional Description for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
14. Special Handling Instructions and Additional Information					
15. <b>CERTIFICATION:</b> I hereby declare that the contents of this consignment are not subject to federal regulation for reporting proper disposal of Hazardous Waste. The contents are Petroleum Contaminated Soils defined by the Ohio Environmental Protection Agency.					
Printed/Typed Name		Signature	Month	Day	Year
Transporter 1 Acknowledgement of Receipt of Materials					
16. Printed/Typed Name <b>KURT HANSEN</b>		Signature <i>Kurt Hansen</i>	Month	Day	Year
			3	30	16
Transporter 2 Acknowledgement of Receipt of Materials					
17. Printed/Typed Name <b>Christine Pribulick/Arccadis / In care of PACER TRUST</b>		Signature <i>Christine Pribulick</i>	Month	Day	Year
			03	30	2016
18. Discrepancy Indication Space <b>SORTING: Yes No</b>		19. Quadrant Received			
20. Facility Owner of Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.					
Printed/Typed Name <b>Jodi Gilbert</b>		Signature <i>Jodi Gilbert</i>	Month	Day	Year
			3	30	16

CELTIC MEDIA GROUP (330) 72-7725

<b>PETRO CELL PETROLEUM CONTAMINATED SOIL MANIFEST</b>		1. Generators US EPA ID No. (if applicable)	2. Control Number <b>SW16-004</b>
3. Generators Name and Site Address <b>Racer Trust Property (near 4200) Dryden Rd. at Hoylake Ct. Moraine, OH</b>			
4. Generator's Phone ( )			
5. Transporter 1 Company Name		6. US EPA ID Number	A. Transporter's Phone
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address <b>Petro Cell Division of Petro Environmental, LLC 1600 Robinson Road Washington Courthouse, OH 43160</b>		10. US EPA ID Number <b>OHD 9806 10968</b>	C. Facility's Phone <b>(740) 335 1508</b> D. Office Phone <b>(800) 955 7380</b>
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Total Quantity	13. Yards/Tons
a. <b>NON HAZARDOUS PETROLEUM CONTAMINATED SOIL</b>			<b>22.84</b>
b.			
c.			
J. Additional Description for Materials Listed Above		K. Handling Codes for Wastes Listed Above	
14. Special Handling Instructions and Additional Information			
15. <b>CERTIFICATION:</b> I hereby declare that the contents of this consignment are not subject to federal regulation for reporting proper disposal of Hazardous Waste. The contents are Petroleum Contaminated Soils defined by the Ohio Environmental Protection Agency.			
Printed/Typed Name <b>Christine Pridwick</b>		In care of <b>RACER TRUST</b>	Signature <i>[Signature]</i>
Month Day Year <b>03 31 2016</b>			
Transporter 1 Acknowledgement of Receipt of Materials			
16. Printed/Typed Name <b>Don Ma...</b>		Signature <i>[Signature]</i>	Month Day Year <b>03 31 16</b>
Transporter 2 Acknowledgement of Receipt of Materials			
17. Printed/Typed Name		Signature	Month Day Year
18. Discrepancy Indication Space <b>SORTING: Yes No</b>		19. Quadrant Received	
20. Facility Owner of Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.			
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>	Month Day Year <b>03 31 16</b>

CELTIC MEDIA GROUP (330) 72-7725

<b>PETRO CELL PETROLEUM CONTAMINATED SOIL MANIFEST</b>		1. Generators US EPA ID No. (if applicable)	2. Control Number <b>SW16-004</b>	
3. Generators Name and Site Address <b>Racer Trust Property (near 4200) Dryden Rd. at Hoylake Ct. Moraine, OH</b>				
4. Generator's Phone ( )				
5. Transporter 1 Company Name		6. US EPA ID Number	A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address <b>Petro Cell Division of Petro Environmental, LLC 1600 Robinson Road Washington Courthouse, OH 43160</b>		10. US EPA ID Number <b>OHD 9806 10968</b>	C. Facility's Phone <b>(740) 335 1508</b>	
			D. Office Phone <b>(800) 955 7380</b>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Total Quantity	13. Yards/Tons	
a. <b>NON HAZARDOUS PETROLEUM CONTAMINATED SOIL</b>			<b>16.71</b>	
b.				
c.				
J. Additional Description for Materials Listed Above			K. Handling Codes for Wastes Listed Above	
14. Special Handling Instructions and Additional Information				
15. <b>CERTIFICATION:</b> I hereby declare that the contents of this consignment are not subject to federal regulation for reporting proper disposal of Hazardous Waste. The contents are Petroleum Contaminated Soils defined by the Ohio Environmental Protection Agency.				
Printed/Typed Name <b>Christin</b>		Signature <i>Christin</i>		Month Day Year <b>03 31 2016</b>
Transporter 1 Acknowledgement of Receipt of Materials				
16. Printed/Typed Name <b>KURT HARTSEN</b>		Signature <i>Kurt Hartsen</i>		Month Day Year <b>3 31 16</b>
Transporter 2 Acknowledgement of Receipt of Materials				
17. Printed/Typed Name		Signature		Month Day Year
18. Discrepancy Indication Space <b>SORTING: Yes No</b>		19. Quadrant Received		
20. Facility Owner of Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.				
Printed/Typed Name <b>Df</b>		Signature <i>Df</i>		Month Day Year <b>03 31 16</b>

CELTIC MEDIA GROUP (330) 72-7725

# ATTACHMENT 4

PHOTO LOG



## Project Photographs

RACER Trust  
Former South Tank Farm



**Photo: 1**

**Date:**

March 9, 2016

**Description:**

Top soil being removed from excavation area.

**Location:**

Photo taken looking northwest.



**Photo: 2**

**Date:**

March 9, 2016

**Description:**

Removal of monitoring well SMW-3.

**Location:**

Photo taken looking southeast.

**Project Photographs**

RACER Trust  
Former South Tank Farm



**Photo: 3**

**Date:**  
March 9, 2016

**Description:**  
Excavation cavity during excavation.

**Location:**  
Photo taken looking southwest.



**Photo: 4**

**Date:**  
March 30, 2016

**Description:**  
Excavation after backfilling with crushed aggregate to grade level.

**Location:**  
Photo taken looking northwest.

# ATTACHMENT 5

PETROLEUM CONTAMINATE SOIL (PCS) SOIL FORM





**Department  
of Commerce**

Division of State Fire Marshal  
Bureau of Underground Storage  
Tank Regulations (BUSTR)

# PETROLEUM CONTAMINATED SOIL (PCS) FORM

REPORT DATE: May 23, 2016

FACILITY ID#: 57000002

*This form should be completed and submitted within 120 days of generating a stockpile, within 180 days of placing the soil in portable containers, or prior to storage or treatment, whichever comes first. A separate PCS form shall be completed for each stockpile generated.*

**OWNER/OPERATOR INFORMATION:**

OWNER/OPERATOR NAME: RACER Trust CONTACT PERSON: Pamela L. Barnett PHONE: 937-751-8635

**UST FACILITY INFORMATION:**

**STORAGE FACILITY INFORMATION:**

FACILITY ID#: 57000002  
FACILITY NAME: RACER Trust  
ADDRESS: 3600 Dryden Road  
CITY: Moraine  
COUNTY: Montgomery  
STATE: Ohio ZIP: 45439

FACILITY ID#: 57000002  
FACILITY NAME: RACER Trust  
ADDRESS: 3600 Dryden Road  
CITY: Moraine  
COUNTY: Montgomery  
STATE: Ohio ZIP: 45439

**DISPOSAL/TREATMENT FACILITY INFORMATION:**

**CUBIC YARDS:**

FACILITY ID#: OHD 9806 10968  
FACILITY NAME: Petro Cell Division of Petro Environmental, LLC.  
ADDRESS: 1600 Robinson Road  
CITY: Washington Couthouse  
COUNTY: Fayette  
STATE: Ohio ZIP: 43160

<u>0</u>	On-site treatment (requires a treatment plan)
<u>0</u>	Off-site treatment (requires a treatment plan)
<u>0</u>	Soil analysis falls below Rule 16 re-use levels (RUL)
<u>0</u>	Returned to excavation (below site specific action levels) (RTE BAL)
<u>0</u>	Returned to excavation (above site specific action levels) (RTE AAL)
<u>135.48</u>	Disposal at a landfill (LFL)

STOCKPILE ID: N/A DATE GENERATED: March 9, 2016 DATE TRANSFERRED: March 30, 2016