



Remediation Completion Report

Voluntary Remediation Program
Site Identification No. 6150307

Antea[®]Group

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Improving tomorrow.

PREPARED FOR

Buckeye Terminals, LLC
Granger Terminal
12694 Adams Road
Granger, IN 46530

PREPARED BY

Antea Group Lisle, IL

July 2, 2024

Project #PK11GRG20

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REMEDIATION COMPLETION REPORT

Voluntary Remediation Program Site Identification No. 6150307

SECTION I: INTRODUCTION

SUBSECTION A: PROJECT IDENTIFICATION AND SITE BACKGROUND

Antea[®]Group has prepared this Remediation Completion Report and Request for Closure on behalf of Buckeye Terminals, LLC., (Buckeye) for the property located at 12694 Adams Road, Granger, Indiana (Site). See **Figure 1**, Site Location Map.

Included respectively as **Appendix A** and **Appendix B** are completed copies of the Indiana Department of Environmental Management (IDEM) Record of Site Closure Form (State Form 54472) and Remediation Completion Report Completeness Checklist (State Form 54168).

1: Site name, facility identification numbers(s), address, and telephone number

Buckeye Granger Terminal (IDEM Voluntary Remediation Program (VRP) Site Identification No. 6150307) is located at 12694 Adams Road, Granger, Indiana in St. Joseph County. The telephone number for the facility is +1 574 272 2800.

2: Current owner and operator, mailing address, and telephone number

Buckeye is the current owner and operator of the bulk storage and terminal facility located at 12694 Adams Road, Granger, Indiana in St. Joseph County. The owner's contact information is as follows:

Owner Contact:

Buckeye Terminals, LLC
Attn: Jeff Brudereck
The Buckeye Building
6161 Hamilton Boulevard
Allentown, PA 18106
+1 610 904 4019

3: Site contact person or group responsible for guiding the remediation project(s)

The contact information for Buckeye's environmental consultant for the VRP Site Identification No. 6150307 is as follows:

Consultant Contact:

Antea Group
Attn: Christopher Kocka, PG
650 Warrenville Road, Suite 100
Lisle, IL 60532
+1 800 477 7411
Christopher.Kocka@AnteaGroup.US

4: Historical summary of site ownership

Amoco Oil Company (Amoco) began operating this facility in 1953 as a refined petroleum products bulk storage and terminal facility. BP Products North America, Inc., (BP) or successors by name changes operated this terminal until July 2011 when it was sold to Buckeye. Buckeye is the current owner/operator of the terminal.

5: Type of facility, including description of past and current operations

The facility is a refined petroleum products bulk storage and terminal facility that stores and dispenses fuels in up to seven (7) aboveground storage tanks (ASTs) of varying capacities with a total capacity of 249,600 barrels. Gasoline and diesel enter the Site by a 12-inch pipeline (owned/operated by BP) and are loaded into tanker trucks for transport at the loading rack. Historical products include furnace oil, heater oil, diesel fuel, leaded and unleaded gasoline, indolene, and mineral spirits.

6: Site location map and site layout drawing

The Site location is shown in **Figure 1** and current and former Site features are shown in **Figure 101**.

7: Overview of the initial discovery of contamination, spill history, investigations conducted at the site, and remediation history

The most recent release occurred on February 11, 2005, when an estimated 3,500 gallons of gasoline leaked from a cracked fitting on the high-level alarm piping for Tank #2. Details of this release and associated cleanup efforts were submitted to IDEM in the Interim Response Activities, Release Characterization, and System Modification Report for February 11, 2005, Tank 2 Release report dated July 22, 2005.

Notable historical spills include approximately 81,131 gallons of gasoline released from an AST in July 1979, and approximately 66,654 gallons of petroleum products released from a split pipeline in January 1972. These historical releases are addressed together as one project in the VRP (Site Number 6150307).

Since 1980, numerous investigations were performed leading to identifying three (3) plumes: A benzene, toluene, ethylbenzene, xylene (BTEX), and naphthalene plume primarily within the Site boundaries, a light non-aqueous phase liquid (LNAPL) plume within the Site boundaries, and a historical 1,2-dichloroethane (1,2-DCA) plume south of the Site. The source of the BTEX/naphthalene contamination and the on-site LNAPL is petroleum products from historical releases. IDEM Site Number 000000217 (Former Faurecia Emissions Controls Technologies) is a suspected contributing source of existing 1,2-DCA and other chlorinated volatile organic compounds (Cl VOCs) contamination south of the Site. Other VOCs were also eliminated as potential contaminants because the most recent concentrations have been non-detect or have been detected below the 2015 Tap Screening Levels as noted in the Remediation Work Plan dated March 15, 2016 (RWP).

Remedial actions taken at and around the Site are summarized in **Section I.B**.

8: List of previously completed reports concerning the site, and a discussion of other data and documentation available for the site

Relevant previous documents and reports include:

- Site Investigation Report, May 1989;
- Agreed Order (AO) Cause # OER-90-1, June 1990;
- Remedial Action Decision (RAD), January 1992;
- Installation and Maintenance Agreement Plan (IMAP), May 1993;

- Interim Response Activities, Release Characterization, and System Modification Report for February 11, 2005, Tank 2 Release, July 2005;
- Membrane Interface Probe (MIP) investigation Report, July 2009 (MIP Investigation Report);
- Proposed Interim Monitoring Plan, October 5, 2015;
- Annual Remediation Summary Reports (ARSRs). 2015 ARSR, March 2016 (most recent);
- RWP, March 2016;
- RWP Response Letter, September 2016;
- Quarterly Monitoring Reports (QMRs). Second Quarter 2016 QMR, August 2016 (most recent);
- Hydrocarbon Plume Migration and Mass Evaluation/Cease Pump and Treat System Operation Request, December 2016;
- Proposed Monitoring and Remediation Component Abandonment Plan, July 2017;
- Semi-Annual Monitoring Reports (SAMRs). Third and Fourth Quarter 2018 SAMR, February 2019 (most recent).

Data for the entire history of the project is documented in these previously submitted reports.

SUBSECTION B: REMEDIATION EFFORT

1: Description of the remediation system

A groundwater pump and treat (P&T), free product recovery (skimmers and absorbent boom), and soil treatment by in-situ bioremediation and air sparge/soil vapor extraction (AS/SVE) were used to remediate on-site and off-site locations.

The P&T system was permanently shut down on June 30, 2017. System decommissioning was completed between October 2020 and January 2021.

2: Evaluation of overall system performance

Groundwater P&T systems have operated in various configurations since 1991. The most recent configuration was located on the terminal property and included two (2) air stripper towers with two (2) 20,000-pound carbon vessels as backup. When operated, the P&T system was capable of pumping from up to 20 recovery wells (eight (8) off-site and 12 (on-site) at a maximum combined rate of 1,900 gallons per minute (gpm). The list of recovery wells operated and pumping rates were adjusted over time to maximize recovery. Groundwater pumps operated in nine (9) recovery wells (AR-3, RW-1A, RW-2A, RW-8, RW-9, RW-11, RW-12, RW-13, and RW-14) prior to shutdown in June 2017.

The on-site free product recovery system had operated from 1980 through 2009. This system recovered approximately 150,266 gallons of LNAPL using skimmers in select recovery wells. Absorbent socks were then used to address intermittent LNAPL and were replaced or removed during routine operation and maintenance (O&M) activities, as necessary.

Recovery well gauging was last completed in July and August 2018 at recovery wells RW-9 and RW-12. LNAPL was not detected in either RW-9 or RW-12 during these two (2) gauging events. IDEM approved the cessation of recovery well gauging on September 21, 2018.

An AS/SVE system operated from 1994 through 2002. This system recovered an estimated 105,487 gallons of gasoline. A soil assessment was completed between 2007 and 2008 as documented in the MIP Investigation Report. Based on the results of the soil assessment (50 MIP borings and 18 confirmatory soil borings), petroleum impacts remain in the groundwater, but are absent from the vadose zone.

3: Description of remedial action (s) undertaken at the site

In addition to the remedial actions described in **Section I.B.2**, environmental restrictive covenants (ERCs) were executed with the property owners identified in **Section III.A**.

SECTION II: CONFIRMATION SAMPLING

SUBSECTION A: CONFIRMATION MONITORING

1: Data from most recent monitoring and sampling event

Recovery wells RW-9 and RW-12 were last gauged on August 29, 2018. The results, presented in the SAMR dated February 28, 2019, indicated that no LNAPL was present. Please refer to **Table 1** for the most recent gauging data. The most recent groundwater elevation contours are shown in **Figure 102**.

The most recent groundwater samples were collected on June 7-8, 2018, and submitted for laboratory analysis of BTEX and naphthalene. One (1) sample exceeded the 2015 Remediation Closure Guide (RCG) Default Cleanup Objective for benzene, toluene, and ethylbenzene. Eight (8) samples exceeded the 2015 RCG Default Cleanup Objective for naphthalene. Please refer to Appendix C of the SAMR dated August 7, 2018, for the laboratory analytical reports associated with this sampling event.

In response to the IDEM letter dated August 3, 2023, groundwater samples were collected from monitoring wells OW35, OW36, OW97, OW98, and OW99 on August 31, 2023, and submitted for laboratory analysis of BTEX and naphthalene. One (1) sample (OW35) exceeded the 2015 Remediation Closure Guide Default Cleanup Objective for naphthalene. Analytical results were emailed to IDEM on September 26, 2023. Copies of the laboratory analytical data results and chain of custody are provided in **Appendix C**. The most recent groundwater sampling results are provided in **Table 2** and shown in **Figure 103**.

The most recent water supply well samples were collected in November and December 2016. The laboratory analytical results were below the 2015 RCG Default Cleanup Objectives. Please refer to Appendix C of the SAMR dated February 27, 2017, for the laboratory analytical reports associated with this sampling event. The most recent water supply well sample results are provided in **Table 3** and **Table 4**, with water supply well locations shown in **Figure 101**.

2: Graphical display of data to show remediation effectiveness and trends

As previously provided in the Hydrocarbon Plume Migration and Mass Evaluation submittal dated December 2, 2016, the primary use of the Monitoring and Remediation Optimization System (MAROS) program was to evaluate the hydrocarbon plume mass and position for the constituents of interest (COI), specifically BTEX and naphthalene, associated with the Site. Based on this evaluation, IDEM approved discontinuing remedial system operations in a letter dated January 17, 2017. The P&T system was permanently shut down on June 30, 2017.

Based on data generated after discontinuing remedial system operations, included in the previously provided SAMRs dated February 27, 2018, and August 7, 2018, IDEM approved the discontinuation of groundwater sampling and gauging on September 21, 2018.

Water supply well sampling was discontinued as approved in IDEM correspondence dated November 18, 2016.

3: Summary of O&M problems or downtime during current reporting period

Not applicable. As approved by IDEM in correspondence dated January 17, 2017, the P&T system was permanently turned off on June 30, 2017.

4: Recommendations concerning need for additional monitoring and sampling events

Not applicable. As approved by IDEM in correspondence dated November 18, 2016, and September 21, 2018, no additional monitoring or sampling is necessary.

4a: Continued monitoring and sampling if cleanup criteria have not been achieved

Not applicable. The cleanup criteria have been achieved.

4b: Final closure report submittal if cleanup criteria have been achieved

- **Final confirmation monitoring and sampling report**

Please refer to the MIP Investigation Report, RWP, and RWP Response Letter dated September 26, 2016, (RWP Response Letter) for information regarding confirmation soil sampling. Please refer to the SAMR dated August 7, 2018, for information pertaining to the final groundwater monitoring event.

- **Information that demonstrates that cleanup criteria have been achieved**

Please refer to the following submittals that includes data demonstrating that cleanup criteria have been achieved:

- Soil – Refer to the MIP Investigation Report, RWP, and RWP Response Letter;
- Water Supply Well - Refer to the SAMR dated February 27, 2017;
- Groundwater Sampling - Refer to the SAMR dated August 7, 2018.

Please refer to correspondence submitted to IDEM dated November 18, 2016, September 21, 2018, and September 26, 2023, confirming that soil, water supply well, and groundwater cleanup criteria have been achieved.

- **Clear statement of expected future uses of the site after remediation is completed (such as residential or nonresidential).**

The Site is expected to remain non-residential use as a refined petroleum products bulk terminal.

- **Discussion of deed restrictions, land-use restrictions, or environmental notice requirements**

Please refer to **Section III.A.**

SUBSECTION B: COMPLETED FIELDWORK AND LABORATORY ANALYSIS

1: Summary of confirmation sampling performed

A MIP investigation performed between November 2007 and February 2008 confirmed no residual vadose zone impacts at the Site. Please refer to the MIP Investigation Report for further information.

Groundwater confirmation sampling was performed between August 2017 and June 2018.

1a: Confirmation sampling procedures

Please refer to Appendix L of the RWP for the Quality Assurance Project Plan that outlines sampling procedures. Standard operating procedures for the MIP investigation are provided in Appendix A and Section 3.0 of the MIP Investigation Report.

1b: Confirmation sampling locations on a plan view map

Please refer to **Figure 101** for the locations of all monitoring wells and confirmation soil borings. Confirmation soil borings and MIP boring locations are also provided in the MIP Investigation Report.

1c: Rationales for sampling locations and number of samples collected

Please refer to the RWP for rationale for the sampling locations and number of samples collected.

2: Confirmation sampling results

2a: Tabulated or graphical representation of results for all affected media and contaminants

Confirmation soil results are provided in Table 2 of the MIP Investigation Report.

The most recent groundwater analytical results are provided in **Table 2** and shown in **Figure 103**.

The most recent water supply well analytical results are provided in **Table 3** and **Table 4**. Water supply well sample locations are shown in **Figure 101**.

2b: Laboratory reports

Please refer to the following reports:

- Soil - Appendix D of the MIP Investigation Report.
- Groundwater - Appendix C of the SAMR dated August 7, 2018 and email dated September 26, 2023
- Water Supply Well - Appendix C of the SAMR dated February 27, 2017.
- Groundwater Sampling – Refer to the email dated September 26, 2023 and **Appendix C**.

2c: All chain-of-custody forms

Please refer to previously submitted SAMRs for all chain of custody forms generated since the RWP. Please refer to **Appendix C** for the most recent sampling event.

SUBSECTION C: EVALUATION OF CONFIRMATION SAMPLING RESULTS

1: Comparison of confirmation sampling results with the agreed upon cleanup levels

Please refer to **Section II.A.1**.

2: Comparison of IDEM’s split confirmation sampling results with the applicant’s confirmation results and the agreed upon cleanup levels

Not applicable.

3: Acceptable cleanup criteria for all contaminants of concern and for all affected media

All results are compared to 2015 RCG Default Cleanup Objectives.

4: Demonstration that acceptable cleanup criteria have been met

A MIP investigation performed between November 2007 and February 2008 confirmed no residual vadose zone impacts at the Site. Residual on-site and off-site groundwater impacts are addressed through the use of ERCs and a notification letter.

SUBSECTION D: FINAL SITE RESTORATION

A description of work required to restore the site after remediation is required. Issues such as monitoring well abandonment and equipment dismantling must be addressed.

1: Summary of site restoration work, including the following

1a: Description of how disturbed areas have been or will be restored

Abandoned observation and recovery wells have been restored with “like” ground surface material. Any future well abandonments will also be completed in the same manner.

1b: Completion schedule for restoration activities

Wells were abandoned in accordance with the July 17, 2017, Proposed Monitoring and Remediation Component Abandonment Plan as follows:

- In November 2017, a total of four (4) recovery wells (RW3, RW3A, RW13, and RW14), two (2) air sparge wells (AS-1 and AS-2), and six (6) vapor extraction wells (VE-1, VE-3 through VE-6, and VE-8) were abandoned and the surface cover restored to like surrounding ground surface conditions.
- In September 2018, a total of 18 observation wells (NW1A, NW1B, NW1C, NW1D, NW2A, NW2B, NW2C, NW2D, NW83A, NW83B, NW83C, OW41, OW66, OW70, OW71, OW72, OW74, and one (1) unidentified observation well located at the northeast corner of 51866 Miller Drive) and seven (7) recovery wells (AR-1, AR-2, AR-3, AR-4, L-3, L-4, and L-5) were abandoned and the surface cover restored to like surrounding ground surface conditions.
- In July 2019, a total of 31 observation wells (NW3A, NW3B, NW3C, NW3D, NW4A, NW4B, NW4C, NW4D, NW5A, NW5B, NW5C, NW5D, NW6A, NW6B, NW6C, NW6D, NW78A, NW78B, NW82A, NW82B, NW82C, NW84A, NW84B, NW85A, NW85B, OW63, OW64, OW69, OW75, G04, and G05) and five (5) recovery wells (RW1, RW2, RW4, RW7, RW9.1) were abandoned and the surface cover restored to like surrounding ground surface conditions. Observation wells G01 through G03, and G06 could not be located and were presumed to be destroyed.

As approved by IDEM on March 25, 2021, email correspondence, in April 2021, one (1) air sparge well (AS-9) and one (1) observation well (OW05) were abandoned, and the surface cover restored to like surrounding ground surface conditions.

The following observation wells, recovery wells, and remediation system components were abandoned in accordance with St. Joseph County requirements and as approved in a letter from the IDEM dated August 3, 2023, as follows:

- In November 2023, a total of eight (8) air sparge wells (AS-4, AS-5, AS-6, AS-7, AS-8, AS-10, AS-11, and AS-12), 78 on-site observation wells (B01, B05, B06A, B06B, B07, B10A, F01, F02, F03, NW-79A, NW-79B, OW01, OW02, OW03, OW04, OW06A, OW06B, OW7, OW8A, OW8B, OW11, OW12, OW13A, OW14A, OW14B, OW15, OW17A, OW17B, OW17D, OW18A, OW18B, OW19A, OW19B, OW23B, OW23C, OW23D, OW27, OW29, OW30A, OW30B, OW31A, OW31B, OW31C, OW32, OW34, OW37, OW39, OW42, OW43, OW45, OW48I, OW50, OW51, OW52, OW53, OW54, OW55, OW56, OW57, OW58, OW59, OW60, OW65, OW68, OW76, OW77, OW80, OW81, OW82, OW83, OW89, OW90, OW91, OW92, OW93, OW94, OW95, and OW96), 20 off-site observation wells (EPA01A, EPA01B, EPA01C, EPA02A, EPA02B, EPA02C, HMW2, HMW3, HMW4, NW-86A, NW-86B, NW-86C, NW-86D, NW-87A, NW-87B, OW61D, OW61I, OW61S, OW62D, and OW62S), seven (7) on-site recovery wells (RW1A, RW2A, RW4A, RW8, RW9, RW11, and RW12), one (1) off-site recovery wells (L2), six (6) on-site vapor

extraction wells (VE-0, VE-2, VE-10, VE-11, VE-12, and VE-13), and seven (7) unknown wells (U1, U2, U3A, U3B, U4, U5A, and U5B) were abandoned and the surface cover restored to like surrounding ground surface conditions.

These abandoned locations are listed in **Table 5** and illustrated in **Figure 101**. Well abandonment logs were completed and submitted to St. Joseph County Health Department.

During the well abandonment in November 2023, the following wells were not located and/or were buried under the gravel driveway with no visual confirmation:

- Off-site observation wells NW88A and NE88B and on-site vapor extraction wells VE-7 and VE-9.

A total of 17 observation wells (OW9, OW13B, OW14C, OW23A, OW35, OW36, OW38, OW40, OW44, OW46, OW47, OW48, OW49, OW67, OW97, OW98, and OW99) will remain. These locations are listed in **Table 6** and illustrated in **Figure 2**.

2: Description of remediation equipment dismantling and removal

The decommissioning of components of the on-site P&T system was completed between October 2020 and January 2021. This included the following:

South SVE Building

- Remove all electric in the building related to AS/SVE remediation system;
- Remove air compressor and blower and lines in and out of them;
- Cap off steel pipes and plug holes; and
- Remove all large steel pipes and patch block walls between sides and exterior penetrations.

Pump and Treat System Building

- Remove all electrical in building related to P&T remediation system;
- Remove all process piping except ties between the carbon beds;
- Cap off two (2) 10" process pipes in southwest corner of building;
- Cap off two (2) 12" process pipes in northeast corner of building;
- Close building penetrations (process pipe and conduit entries);
- Remove two (2) poly tanks; and
- Remove two 42' air stripper towers and associated ladders, fill pipe, handrail and walkway on roof, and media from inside towers), blowers, ducting, louver and hood, and steel base
 - Restore roof and wall with matching roof and wall metal.

Northeast Air Sparge Building

- Remove all electric in the building related to AS/SVE remediation system;
- Remove air compressor and blower and lines in and out of them;
- Cap off steel pipes and plug holes; and
- Cap off air lines.

Northwest SVE Building

- Remove all electric in the building related to AS/SVE remediation system;
- Remove air compressor and blower and lines in and out of them;
- Remove Catalytic Oxidizer unit;
- Cap off or flange steel pipes/lines and plug holes; and
- Restore (patch) interior and exterior walls.

RW1, RW2, and RW12

- Remove process pipe from well to above ground storage tank; and
- Remove electrical, heat trace.

2a: Description of decontamination procedures

Not applicable.

2b: Description of decontamination verification sampling

Not applicable.

2c: Description of waste disposal activities conducted

Waste disposal documentation is provided in **Appendix F**.

Well purging water generated during groundwater sampling events was processed through the Site groundwater remediation system. Other than well abandonment materials, no further waste disposal activities are anticipated.

SECTION III: ENVIRONMENTAL RESTRICTIVE COVENANTS

SUBSECTION A: TEXT OF ENVIRONMENTAL RESTRICTIVE COVENANT

Please refer to **Appendix D** for the recorded ERCs for all or part of the following parcels:

PARCEL NUMBER	ADDRESS	PROPERTY OWNER
71-05-18-126-012.000-011	12694 Adams Road, Granger, IN 46530	Buckeye Terminals, LLC
71-05-18-126-019.000-011	12694 Adams Road, Granger, IN 46530	BP River Rouge Pipeline Company
71-05-18-126-014.000-011	51177 Bittersweet Road, Granger, IN 46530	MIKKA LLC

In addition, a *Notification of Potential Groundwater Impacts* letter dated November 15, 2019, (**Appendix E**) was submitted to Canadian National Railroad/Illinois Central Railroad Company, notifying them that a portion of the railroad right-of-way adjacent to the Site may have groundwater impacts above 2015 IDEM RCG screening levels.

It should be noted that an ERC was not secured for 51201 Bittersweet Road, parcel number 71-05-18-126-015.000.011 (Watson Tree Service). The groundwater flow direction is generally to the south or southwest and the property down gradient from OW-35 (MIKKA LLC) has a recorded ERC. In addition, surrounding monitoring wells OW-36, OW-43, OW-44, OW-46, OW-67, OW-97, OW-98, and OW-99 do not have concentrations of naphthalene above the IDEM cleanup objective of 1.7 micrograms per liter, indicating a limited extent of the concentration of naphthalene in OW-35. Therefore, an ERC for 51201 Bittersweet Road is not proposed at this time.

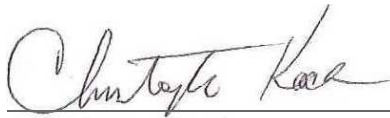
SUBSECTION B: LIST OF ACTIVITY RESTRICTION

The following restrictions apply to all three (3) ERCs listed above:

- Shall not use or allow the use of the Real Estate for residential purposes, including, but not limited to, daily childcare facilities or educational facilities for children (e.g., daycare centers or K-12 schools);
- Shall not use or allow the use or extraction of groundwater at the Real Estate for any purpose, including, but not limited to human or animal consumption, gardening, industrial processes, or agriculture, except that groundwater may be extracted in conjunction with environmental investigation and/or remediation activities;
- Shall prohibit any activity at the Real Estate that may interfere with the groundwater monitoring or well network.

SECTION IV: REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.



Christopher Kocka, PG
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July 2, 2024

Reviewed by:



Nathan Johnson, PE
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July 2, 2024

SECTION V: CONTACT INFORMATION

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Tables

Table 1 - Gauging Data

Table 2 - Groundwater Analytical Results

Table 3 - Former Action Area 1a BTEX and 1,2-DCA Groundwater Analytical Results - Water Supply Wells

Table 4 - Former Action Area 1b BTEX, MTBE and 1,2-DCA Groundwater Analytical Results - Water Supply Wells

Table 5 – On-site and Off-site Well Abandonment List

Table 6 – Wells to Remain

Table 1

Gauging Data

Buckeye Terminals, LLC - Granger Terminal
12694 Adams Road, Granger, Indiana 46530

Well ID	Gauging Date	Top of Casing Elevation (feet MSL)	Top of Screen Elevation (feet MSL)	Depth to Product (feet below TOC)	Depth to Water (feet below TOC)	Product Thickness (feet)	Corrected Water Elevation (feet MSL)
RW9	7/10/2018	807.03	787.03	NP	22.53	NP	784.50
RW9	8/29/2018	807.03	787.03	NP	23.29	NP	783.74
RW12	7/10/2018	805.43	785.43	NP	21.12	NP	784.31
RW12	8/29/2018	805.43	785.43	NP	21.81	NP	783.62

TOC = Top of Casing

MSL = Mean Sea Level

NP = No Product

Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)

Table 2
Groundwater Analytical Results
Buckeye Terminals, LLC - Granger Terminal
12694 Adams Road, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Cleanup Objective		5.0	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120				460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
HMW4	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
HMW4	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW08B	3/15/2018	< 2.5	< 5.0	130	232	56.5
OW08B	6/8/2018	< 2.5	< 5.0	12.0	76.4	19.7
OW09	3/15/2018	< 2.5	< 5.0	< 5.0	28.1	6.8
OW09	6/8/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW15	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW15	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW17D	3/16/2018	< 25.0 D4 1d	< 50.0	< 50.0	2210	226
OW17D	6/7/2018	< 2.5	10.8	196	2460	299
OW23A	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW35	3/15/2018	< 2.5	< 5.0	15.1	103	21.3
OW35	6/8/2018	< 2.5	< 5.0	275	2020	274
OW35	8/31/2023	< 6.2	< 6.0	< 6.8	< 7.1	83.9
OW36	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW36	6/8/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW36	8/31/2023	< 0.52	< 0.52	< 0.48	< 0.56	< 0.59
OW37	3/16/2018	< 2.5	< 5.0	< 5.0	38.4	< 1.7
OW37	6/7/2018	< 2.5	< 5.0	< 5.0	385	9.8
OW38	3/16/2018	< 2.5	< 5.0	< 5.0	1000	59.0
OW38	6/7/2018	< 2.5	< 5.0	69.9	597	54.8
OW39	3/16/2018	< 2.5	< 5.0	93.6	100	41.7
OW39	6/7/2018	< 2.5	< 5.0	9.2	18.3	7.9
OW40	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW40	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW46	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW46	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW47	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW47	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW48	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW48	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW50	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7

Table 2
 Groundwater Analytical Results
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Cleanup Objective		5.0	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120				460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
OW50	6/8/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW59	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW59	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW67	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW67	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW68	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW68	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW89	6/7/2018	17.5	32600 H5	1090	9620	377
OW90	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	3.3
OW90	6/7/2018	< 2.5	< 5.0	26.8	65.5	28.8
OW91	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW91	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW92	3/16/2018	< 2.5	< 5.0	< 5.0	14.4	2.0
OW92	6/7/2018	< 2.5	< 5.0	180	870	113
OW97	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW97	6/7/2018	< 2.5 R1	< 5.0 R1	< 5.0 R1	< 10.0 RS	1.9 R1
OW97	8/31/2023	< 0.52	< 0.52	< 0.48	< 0.56	< 0.59
OW98	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW98	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW98	8/31/2023	< 0.62	< 0.60	< 0.68	< 0.71	< 0.68
OW99	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW99	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW99	8/31/2023	< 0.62	< 0.60	1.8 J	< 0.71	1.1 J

Concentrations in bold exceed Indiana Department of Environmental Management Remediation Closure Guide, 2015 Screening Levels

µg/l - micrograms per liter

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

D4 - Sample was diluted due to the presence of high levels of target analytes

1d - Benzene ND at an estimated RL of 5 ug/L based on the MDL

H5 - Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time

R1 - RPD value was outside control limits

RS - The RPD value in one of the constituent analytes was outside the control limits

Table 3

Former Action Area 1a BTEX and 1,2-DCA Groundwater Analytical Results - Water Supply Wells
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	1,2-DCA
IDEM Tap Screening Level		5	1000	700	10000	5
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
A705 FILTER 1	9/13/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 0.50
A705 FILTER 1	11/2/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 0.50
A898 FILTER 2	9/13/2016	-	-	-	-	< 0.50
A898 FILTER 2	11/2/2016	-	-	-	-	< 0.50
A898 FILTER 3	9/13/2016	-	-	-	-	< 0.50
A898 FILTER 3	11/2/2016	-	-	-	-	< 0.50
D855 FILTER 2	9/13/2016	-	-	-	-	< 0.50
D855 FILTER 2	11/3/2016	-	-	-	-	< 0.50
D855 FILTER 3	9/13/2016	-	-	-	-	< 0.50
D855 FILTER 3	11/3/2016	-	-	-	-	< 0.50
D888 FILTER 2	9/14/2016	-	-	-	-	< 0.50
D888 FILTER 3	9/14/2016	-	-	-	-	< 0.50
D895 FILTER 1	9/13/2016	-	-	-	-	< 0.50
H885 FILTER 2	12/1/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 0.50
H885 FILTER 3	12/1/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 0.50
H955 FILTER 2	11/3/2016	-	-	-	-	< 0.50
H955 FILTER 3	11/3/2016	-	-	-	-	< 0.50
M818 FILTER 2	9/14/2016	-	-	-	-	1.7
M818 FILTER 2	11/2/2016	-	-	-	-	< 0.50
M818 FILTER 3	9/14/2016	-	-	-	-	< 0.50
M818 FILTER 3	11/2/2016	-	-	-	-	< 0.50
M840 FILTER 2	9/14/2016	-	-	-	-	< 0.50
M840 FILTER 2	11/2/2016	-	-	-	-	< 0.50
M840 FILTER 3	9/14/2016	-	-	-	-	< 0.50
M840 FILTER 3	11/2/2016	-	-	-	-	< 0.50
M866 FILTER 2	9/13/2016	-	-	-	-	1.8
M866 FILTER 2	11/2/2016	-	-	-	-	< 0.50
M866 FILTER 3	9/13/2016	-	-	-	-	< 0.50
M866 FILTER 3	11/2/2016	-	-	-	-	< 0.50

1. Concentrations are compared to the 2015 IDEM Tap Screening levels.
2. Filter 1 samples were collected from a water supply well with no carbon filter from an outdoor spigot or other location nearest the wellhead.
3. Filter 2 samples were collected from a water supply well with a carbon filtration system from a sampling port located before two carbon filter units.
4. Filter 3 samples were collected from a water supply well with a carbon filtration system from a sampling port located between two carbon filter units.
5. 1,2-DCA = 1,2-Dichloroethane
6. µg/l - micrograms/liter
7. " - " indicates parameter was not analyzed

Table 4

Former Action Area 1b BTEX, MTBE and 1,2-DCA Groundwater Analytical Results - Water Supply Wells
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	MTBE	1,2-DCA
IDEM Tap Screening Level		5	1000	700	10000	140	5
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date						
I780 FILTER 1	9/12/2016	< 0.50	< 1.0	< 0.50	< 1.5	-	< 0.50
I780 FILTER 1	11/2/2016	< 0.50	< 1.0	< 0.50	< 1.5	-	< 0.50
I812 FILTER 1	9/13/2016	< 0.50	< 1.0	< 0.50	< 1.5	-	< 0.50
I871A FILTER 2	9/12/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871A FILTER 3	9/12/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871D FILTER 3	9/12/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871E FILTER 3	11/3/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871F FILTER 3	9/13/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871F FILTER 3	11/3/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871G FILTER 3	9/15/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871G FILTER 3	11/9/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871H FILTER 3	9/15/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871I FILTER 3	9/13/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871K FILTER 2	9/12/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871K FILTER 3	9/12/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871L FILTER 3	11/2/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I871M FILTER 3	11/2/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I888 FILTER 1	9/13/2016	< 0.50	< 1.0	< 0.50	< 1.5	-	< 0.50
I888 FILTER 1	11/2/2016	< 0.50	< 1.0	< 0.50	< 1.5	-	< 0.50
I911 FILTER 1	9/12/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50
I911 FILTER 1	11/3/2016	< 0.50	< 1.0	< 0.50	< 1.5	< 1.0	< 0.50

1. Concentrations are compared to the 2015 IDEM Tap Screening levels.
2. Filter 1 samples were collected from a water supply well with no carbon filter from an outdoor spigot or other location nearest the wellhead.
3. Filter 2 samples were collected from a water supply well with a carbon filtration system from a sampling port located before two carbon filter units
4. Filter 3 samples were collected from a water supply well with a carbon filtration system from a sampling port located between two carbon filter units
5. MTBE = Methyl-Tertiary-Butyl-Ether
6. 1,2-DCA = 1,2-Dichloroethane
7. µg/l - micrograms/liter
8. " - " indicates parameter was not analyzed

Table 5

On-site and Off-site Well Abandonment List
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Well ID	Well Type	Address	Abandonment Date
AR1	Recovery	12898 Anderson Road	9/13/2018
AR2	Recovery	12800 Anderson Road	9/24/2018
AR3	Recovery	51777 Sharon Court	9/13/2018
AR4	Recovery	51890 Miller Drive	9/13/2018
AS-1	Air Sparge	On-site Buckeye Granger	11/20/2017
AS-2	Air Sparge	On-site Buckeye Granger	11/20/2017
L3	Recovery	12815 Anderson Road	9/13/2018
L4	Recovery	12815 Anderson Road	9/13/2018
L5	Recovery	12755 Anderson Road	9/13/2018
NW1A	Observation	51890 Miller Drive	9/6/2018
NW1B	Observation	51890 Miller Drive	9/6/2018
NW1C	Observation	51890 Miller Drive	9/6/2018
NW1D	Observation	51890 Miller Drive	9/6/2018
NW2A	Observation	12898 Anderson Road	9/6/2018
NW2B	Observation	12898 Anderson Road	9/6/2018
NW2C	Observation	12898 Anderson Road	9/6/2018
NW2D	Observation	12898 Anderson Road	9/6/2018
NW3A	Observation	51851 Hinton Lane	7/25/2019
NW3B	Observation	51851 Hinton Lane	7/25/2019
NW3C	Observation	51851 Hinton Lane	7/25/2019
NW-3D	Observation	51851 Hinton Lane	7/25/2019
NW4A	Observation	51878 Hinton Lane	7/25/2019
NW4B	Observation	51878 Hinton Lane	7/25/2019
NW4C	Observation	51878 Hinton Lane	7/25/2019
NW-4D	Observation	51878 Hinton Lane	7/25/2019
NW-5A	Observation	51823 Cheryl Drive	7/25/2019
NW-5B	Observation	51823 Cheryl Drive	7/25/2019
NW5C	Observation	51823 Cheryl Drive	7/25/2019
NW5D	Observation	51823 Cheryl Drive	7/25/2019
NW6A	Observation	51829 Sharon Court	7/25/2019
NW6B	Observation	51829 Sharon Court	7/25/2019
NW6C	Observation	51829 Sharon Court	7/25/2019
NW6D	Observation	51829 Sharon Court	7/25/2019
NW78A	Observation	51675 Bittersweet Road	7/25/2019
NW78B	Observation	51675 Bittersweet Road	7/25/2019
NW82A	Observation	12815 Anderson Road	7/25/2019
NW82B	Observation	12815 Anderson Road	7/25/2019
NW82C	Observation	12815 Anderson Road	7/25/2019

Table 5

On-site and Off-site Well Abandonment List
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Well ID	Well Type	Address	Abandonment Date
NW83A	Observation	12755 Anderson Road	9/6/2018
NW83B	Observation	12755 Anderson Road	9/6/2018
NW83C	Observation	12755 Anderson Road	9/6/2018
NW84A	Observation	12815 Anderson Road	7/25/2019
NW84B	Observation	12815 Anderson Road	7/25/2019
NW85A	Observation	12815 Anderson Road	7/25/2019
NW85B	Observation	12815 Anderson Road	7/25/2019
OW41	Observation	On-site Buckeye Granger	9/6/2018
OW63	Observation	51465 Bittersweet Road	7/25/2019
OW64	Observation	12815 Anderson Road	7/25/2019
OW66	Observation	12755 Anderson Road	9/6/2018
OW69	Observation	12898 Anderson Road	7/25/2019
OW70	Observation	12898 Anderson Road	9/6/2018
OW71	Observation	12800 Anderson Road	9/6/2018
OW72	Observation	12755 Anderson Road	9/6/2018
OW74	Observation	51777 Sharon Court	9/6/2018
OW75	Observation	Loop Court Median	7/25/2019
RW1	Recovery	On-site Buckeye Granger	7/11/2019
RW2	Recovery	On-site Buckeye Granger	7/11/2019
RW3	Recovery	On-site Buckeye Granger	11/20/2017
RW3A	Recovery	On-site Buckeye Granger	11/20/2017
RW4	Recovery	On-site Buckeye Granger	7/11/2019
RW7	Recovery	On-site Buckeye Granger	7/11/2019
RW9.1	Recovery	On-site Buckeye Granger	7/11/2019
RW13	Recovery	On-site Buckeye Granger	11/20/2017
RW14	Recovery	On-site Buckeye Granger	11/20/2017
VE-1	Soil Vapor Extraction	On-site Buckeye Granger	11/20/2017
VE-3	Soil Vapor Extraction	On-site Buckeye Granger	11/20/2017
VE-4	Soil Vapor Extraction	On-site Buckeye Granger	11/20/2017
VE-5	Soil Vapor Extraction	On-site Buckeye Granger	11/20/2017
VE-6	Soil Vapor Extraction	On-site Buckeye Granger	11/20/2017
VE-8	Soil Vapor Extraction	On-site Buckeye Granger	11/20/2017
Unidentified Well	Observation	51866 Miller Drive	9/6/2018
G04	Observation	13030 Anderson Road	7/25/2019
G05	Observation	13030 Anderson Road	7/25/2019
OW05	Observation	On-site Buckeye Granger	4/15/2021
AS-9	Air Sparge	On-site Buckeye Granger	4/15/2021
AS-4	Air Sparge	On-site Buckeye Granger	11/3/2023

Table 5

On-site and Off-site Well Abandonment List
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Well ID	Well Type	Address	Abandonment Date
AS-5	Air Sparge	On-site Buckeye Granger	10/26/2023
AS-6	Air Sparge	On-site Buckeye Granger	10/26/2023
AS-7	Air Sparge	On-site Buckeye Granger	11/3/2023
AS-8	Air Sparge	On-site Buckeye Granger	11/6/2023
AS-10	Air Sparge	On-site Buckeye Granger	10/19/2023
AS-11	Air Sparge	On-site Buckeye Granger	10/19/2023
AS-12	Air Sparge	On-site Buckeye Granger	11/2/2023
VE-0	Soil Vapor Extraction	On-site Buckeye Granger	11/6/2023
VE-2	Soil Vapor Extraction	On-site Buckeye Granger	11/3/2023
VE-10	Soil Vapor Extraction	On-site Buckeye Granger	11/3/2023
VE-11	Soil Vapor Extraction	On-site Buckeye Granger	11/3/2023
VE-12	Soil Vapor Extraction	On-site Buckeye Granger	10/19/2023
VE-13	Soil Vapor Extraction	On-site Buckeye Granger	11/2/2023
RW1A	Recovery	On-site Buckeye Granger	11/1/2023
RW2A	Recovery	On-site Buckeye Granger	11/1/2023
RW4A	Recovery	On-site Buckeye Granger	11/1/2023
RW8	Recovery	On-site Buckeye Granger	11/7/2023
RW9	Recovery	On-site Buckeye Granger	11/2/2023
RW11	Recovery	On-site Buckeye Granger	11/2/2023
RW12	Recovery	On-site Buckeye Granger	11/1/2023
B01	Observation	On-site Buckeye Granger	10/17/2023
B05	Observation	On-site Buckeye Granger	10/17/2023
B06A	Observation	On-site Buckeye Granger	10/17/2023
B06B	Observation	On-site Buckeye Granger	10/17/2023
B07	Observation	On-site Buckeye Granger	10/17/2023
B10A	Observation	On-site Buckeye Granger	10/17/2023
EPA01A	Observation	12767 Industrial Drive	11/7/2023
EPA01B	Observation	12767 Industrial Drive	11/7/2023
EPA01C	Observation	12767 Industrial Drive	11/7/2023
EPA02A	Observation	12767 Industrial Drive	11/7/2023
EPA02B	Observation	12767 Industrial Drive	11/7/2023
EPA02C	Observation	12767 Industrial Drive	11/7/2023
F01	Observation	On-site Buckeye Granger	10/17/2023
F02	Observation	On-site Buckeye Granger	10/17/2023
F03	Observation	On-site Buckeye Granger	10/17/2023
HMW2	Observation	12990 Adams Road	11/6/2023
HMW3	Observation	12990 Adams Road	10/25/2023

Table 5

On-site and Off-site Well Abandonment List
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Well ID	Well Type	Address	Abandonment Date
HMW4	Observation	12990 Adams Road	11/6/2023
L2	Recovery	12650 Industrial Drive	11/2/2023
NW79A	Observation	On-site Buckeye Granger	11/6/2023
NW79B	Observation	On-site Buckeye Granger	11/6/2023
NW86A	Observation	12815 Anderson Road	11/3/2023
NW86B	Observation	12815 Anderson Road	11/3/2023
NW86C	Observation	12815 Anderson Road	11/3/2023
NW86D	Observation	12815 Anderson Road	11/3/2023
NW87A	Observation	12990 Adams Road	10/25/2023
NW87B	Observation	12990 Adams Road	10/25/2023
OW01	Observation	On-site Buckeye Granger	10/27/2023
OW02	Observation	On-site Buckeye Granger	10/26/2023
OW03	Observation	On-site Buckeye Granger	10/26/2023
OW04	Observation	On-site Buckeye Granger	11/6/2023
OW06A	Observation	On-site Buckeye Granger	10/18/2023
OW06B	Observation	On-site Buckeye Granger	10/18/2023
OW07	Observation	On-site Buckeye Granger	10/18/2023
OW08A	Observation	On-site Buckeye Granger	10/18/2023
OW08B	Observation	On-site Buckeye Granger	10/18/2023
OW11	Observation	On-site Buckeye Granger	10/18/2023
OW12	Observation	On-site Buckeye Granger	10/27/2023
OW13A	Observation	On-site Buckeye Granger	10/20/2023
OW14A	Observation	On-site Buckeye Granger	10/19/2023
OW14B	Observation	On-site Buckeye Granger	10/19/2023
OW15	Observation	On-site Buckeye Granger	10/18/2023
OW17A	Observation	On-site Buckeye Granger	11/3/2023
OW17B	Observation	On-site Buckeye Granger	11/3/2023
OW17D	Observation	On-site Buckeye Granger	10/26/2023
OW18A	Observation	On-site Buckeye Granger	10/18/2023
OW18B	Observation	On-site Buckeye Granger	10/18/2023
OW19A	Observation	On-site Buckeye Granger	11/6/2023
OW19B	Observation	On-site Buckeye Granger	11/6/2023
OW23B	Observation	On-site Buckeye Granger	11/1/2023
OW23C	Observation	On-site Buckeye Granger	11/1/2023
OW23D	Observation	On-site Buckeye Granger	11/1/2023
OW27	Observation	On-site Buckeye Granger	10/19/2023
OW29	Observation	On-site Buckeye Granger	10/20/2023

Table 5

On-site and Off-site Well Abandonment List
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Well ID	Well Type	Address	Abandonment Date
OW30A	Observation	On-site Buckeye Granger	11/2/2023
OW30B	Observation	On-site Buckeye Granger	11/2/2023
OW31A	Observation	On-site Buckeye Granger	11/1/2023
OW31B	Observation	On-site Buckeye Granger	11/1/2023
OW31C	Observation	On-site Buckeye Granger	11/1/2023
OW32	Observation	On-site Buckeye Granger	11/2/2023
OW34	Observation	On-site Buckeye Granger	11/3/2023
OW37	Observation	On-site Buckeye Granger	11/6/2023
OW39	Observation	On-site Buckeye Granger	10/25/2023
OW42	Observation	On-site Buckeye Granger	11/6/2023
OW43	Observation	On-site Buckeye Granger	11/6/2023
OW45	Observation	On-site Buckeye Granger	10/18/2023
OW48I	Observation	On-site Buckeye Granger	11/2/2023
OW50	Observation	On-site Buckeye Granger	10/27/2023
OW51	Observation	On-site Buckeye Granger	10/27/2023
OW52	Observation	On-site Buckeye Granger	11/3/2023
OW53	Observation	On-site Buckeye Granger	11/3/2023
OW54	Observation	On-site Buckeye Granger	11/7/2023
OW55	Observation	On-site Buckeye Granger	11/3/2023
OW56	Observation	On-site Buckeye Granger	11/3/2023
OW57	Observation	On-site Buckeye Granger	10/19/2023
OW58	Observation	On-site Buckeye Granger	11/2/2023
OW59	Observation	On-site Buckeye Granger	10/20/2023
OW60	Observation	On-site Buckeye Granger	11/2/2023
OW61D	Observation	12650 Industrial Drive	11/2/2023
OW61I	Observation	12650 Industrial Drive	11/2/2023
OW61S	Observation	12650 Industrial Drive	11/2/2023
OW62D	Observation	12650 Industrial Drive	11/7/2023
OW62S	Observation	12650 Industrial Drive	11/7/2023
OW65	Observation	On-site Buckeye Granger	11/6/2023
OW68	Observation	On-site Buckeye Granger	10/26/2023
OW76	Observation	On-site Buckeye Granger	10/18/2023
OW77	Observation	On-site Buckeye Granger	10/18/2023
OW80	Observation	On-site Buckeye Granger	11/2/2023
OW81	Observation	On-site Buckeye Granger	10/19/2023
OW82	Observation	On-site Buckeye Granger	10/26/2023
OW83	Observation	On-site Buckeye Granger	11/3/2023

Table 5

On-site and Off-site Well Abandonment List
Buckeye Terminals, LLC - Granger Terminal
12694 Adams Road, Granger, Indiana 46530

Well ID	Well Type	Address	Abandonment Date
OW89	Observation	On-site Buckeye Granger	10/26/2023
OW90	Observation	On-site Buckeye Granger	11/6/2023
OW91	Observation	On-site Buckeye Granger	11/6/2023
OW92	Observation	On-site Buckeye Granger	11/6/2023
OW93	Observation	On-site Buckeye Granger	10/26/2023
OW94	Observation	On-site Buckeye Granger	10/26/2023
OW95	Observation	On-site Buckeye Granger	10/26/2023
OW96	Observation	On-site Buckeye Granger	10/26/2023
U1	Unknown	On-site Buckeye Granger	11/7/2023
U2	Unknown	On-site Buckeye Granger	11/7/2023
U3A	Unknown	On-site Buckeye Granger	11/3/2023
U3B	Unknown	On-site Buckeye Granger	11/3/2023
U4	Unknown	On-site Buckeye Granger	11/16/2023
U5A	Unknown	On-site Buckeye Granger	11/16/2023
U5B	Unknown	On-site Buckeye Granger	11/16/2023

Table 6

Wells to Remain

Buckeye Terminals, LLC - Granger Terminal
12694 Adams Road, Granger, Indiana 46530

Well ID	Diameter (inches)	Well Type
OW09	2	Observation Well
OW13B	2	Observation Well
OW14C	2	Observation Well
OW23A	2	Observation Well
OW35	2	Observation Well
OW36	2	Observation Well
OW38	2	Observation Well
OW40	2	Observation Well
OW44	2	Observation Well
OW46	2	Observation Well
OW47	2	Observation Well
OW48	2	Observation Well
OW49	2	Observation Well
OW67	2	Observation Well
OW97	2	Observation Well
OW98	2	Observation Well
OW99	2	Observation Well

Figures

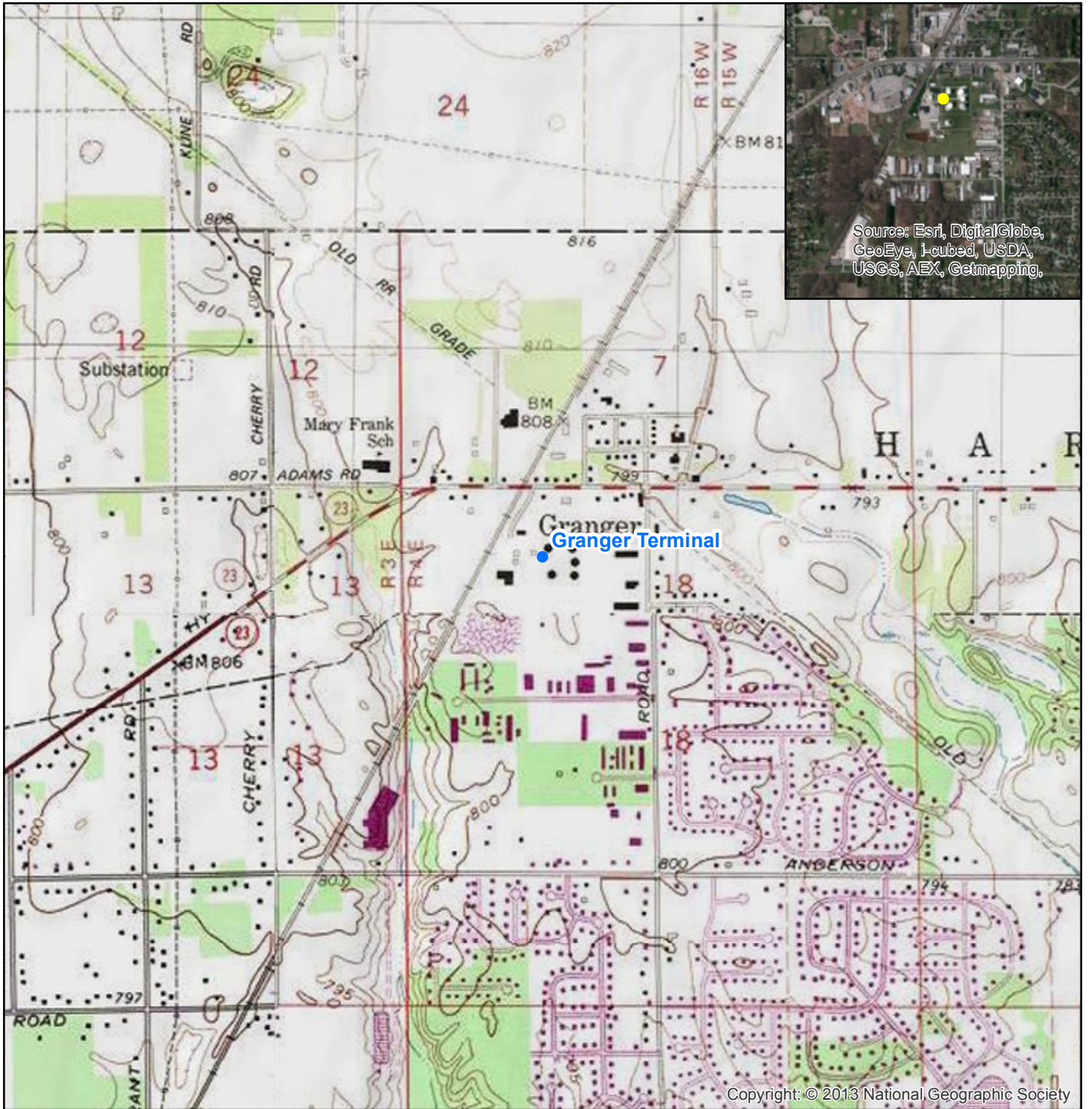
Figure 1 - Site Location Map

Figure 2 - Wells to Remain

Figure 101 - Overall Site Plan

Figure 102 - Groundwater Elevation Map

Figure 103 - Constituents of Concern in Groundwater



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, USGS, AEX, Getmapping,

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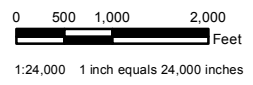
Indiana

Legend

- Site Location

Source: The topographic map was acquired through the USGS Topographic Map web service. Topo quadrangle date not provided.

The aerial photo in the inset was acquired through Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community. Aerial photography date not provided.



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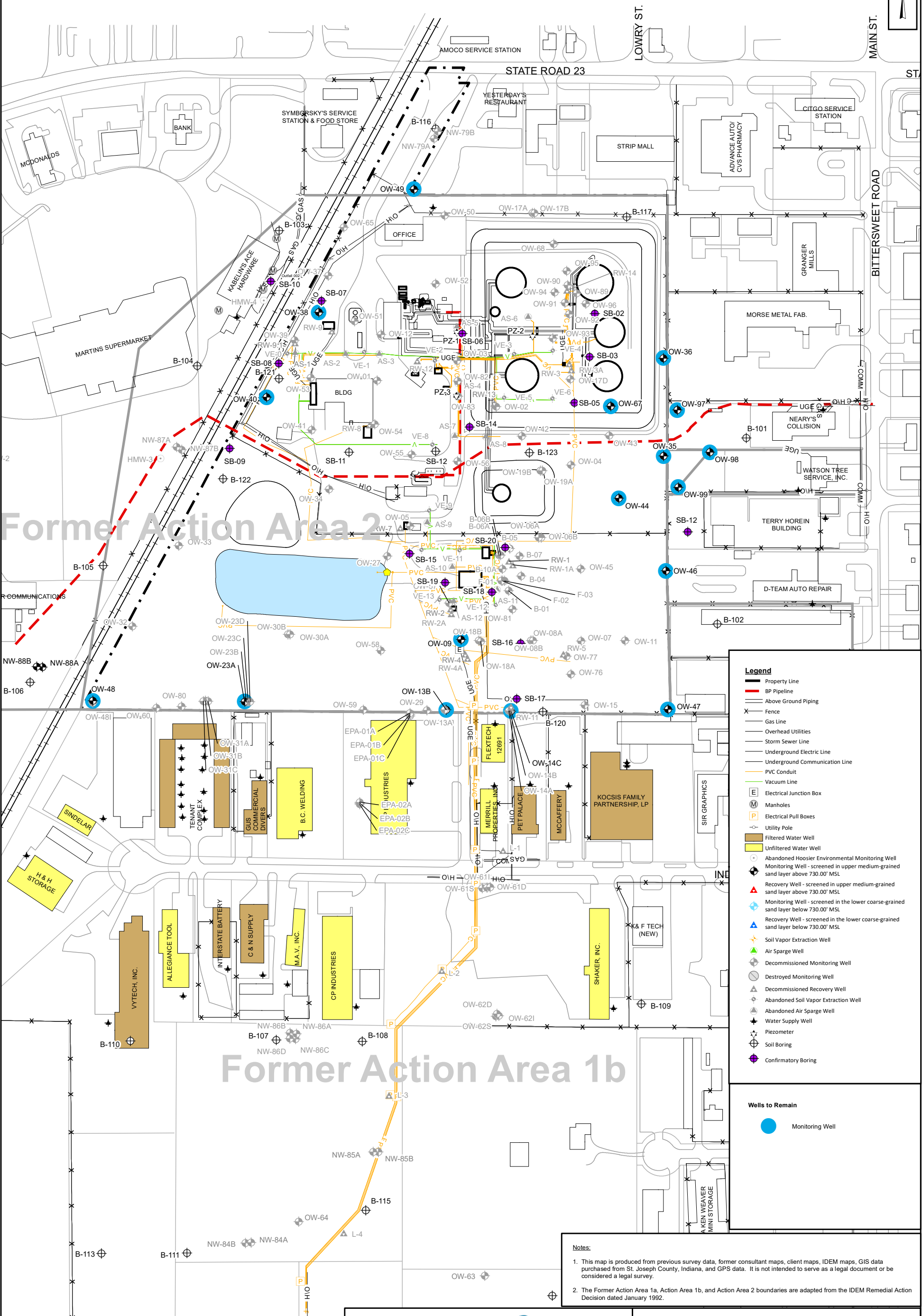
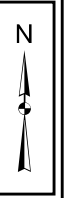
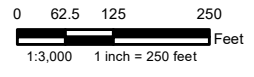
Buckeye Terminals, LLC
 Granger Terminal Facility

Site Location Map

12694 Adams Road
 Granger, St. Joseph County, Indiana

Figure

1



Legend

- Property Line
- BP Pipeline
- Above Ground Piping
- Fence
- Gas Line
- Overhead Utilities
- Storm Sewer Line
- Underground Electric Line
- Underground Communication Line
- PVC Conduit
- Vacuum Line
- Electrical Junction Box
- Manholes
- Electrical Pull Boxes
- Utility Pole
- Filtered Water Well
- Unfiltered Water Well
- Abandoned Hoosier Environmental Monitoring Well
- Monitoring Well - screened in upper medium-grained sand layer above 730.00' MSL
- Recovery Well - screened in upper medium-grained sand layer above 730.00' MSL
- Monitoring Well - screened in the lower coarse-grained sand layer below 730.00' MSL
- Recovery Well - screened in the lower coarse-grained sand layer below 730.00' MSL
- Soil Vapor Extraction Well
- Air Sparge Well
- Decommissioned Monitoring Well
- Destroyed Monitoring Well
- Decommissioned Recovery Well
- Abandoned Soil Vapor Extraction Well
- Abandoned Air Sparge Well
- Water Supply Well
- Piezometer
- Soil Boring
- Confirmatory Boring

Wells to Remain

- Monitoring Well

Notes:

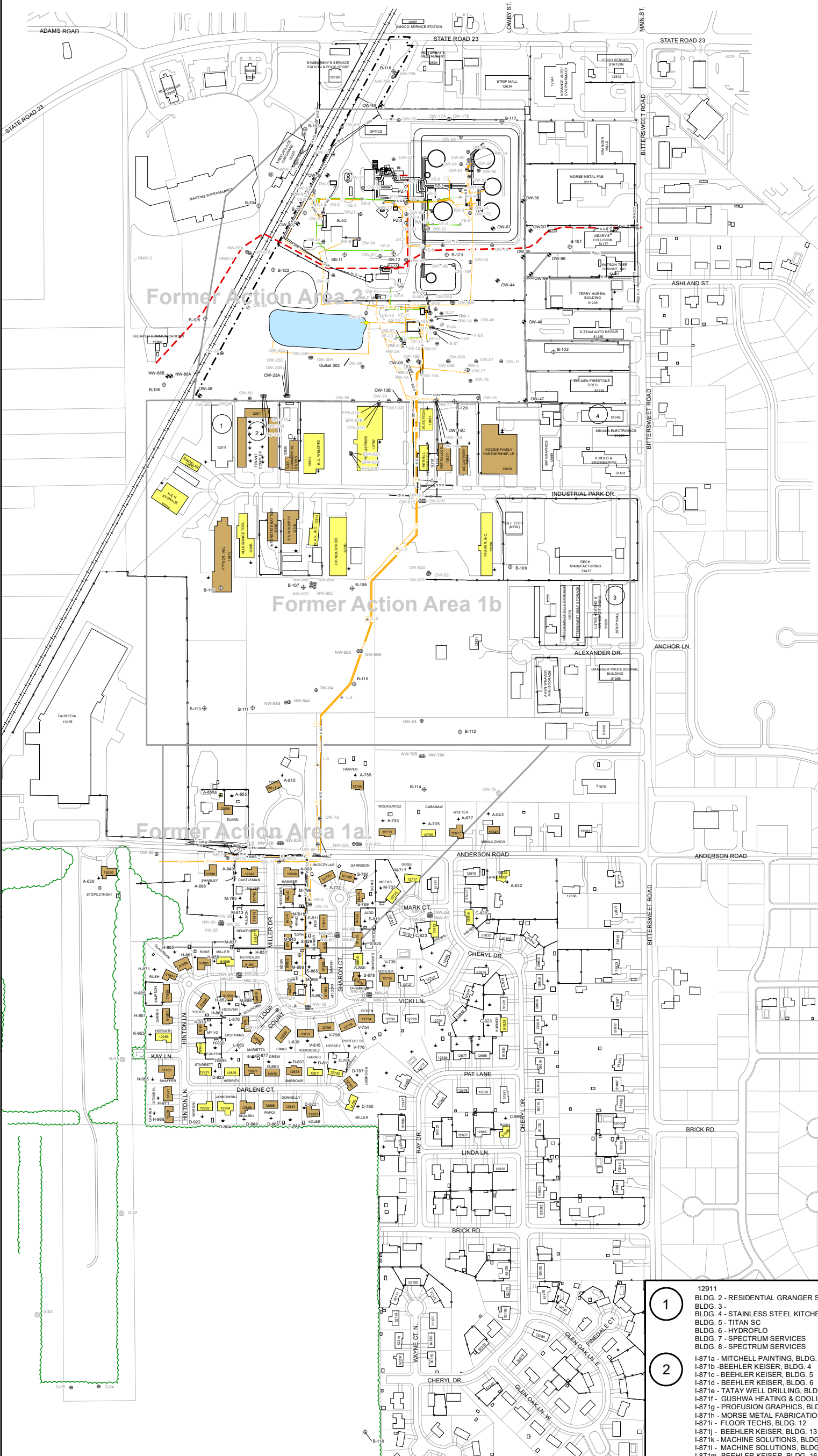
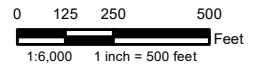
- This map is produced from previous survey data, former consultant maps, client maps, IDEM maps, GIS data purchased from St. Joseph County, Indiana, and GPS data. It is not intended to serve as a legal document or be considered a legal survey.
- The Former Action Area 1a, Action Area 1b, and Action Area 2 boundaries are adapted from the IDEM Remedial Action Decision dated January 1992.



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Buckeye Terminals, LLC
Granger Terminal Facility
Wells to Remain
12694 Adams Road
Granger, St. Joseph County, Indiana

Figure
2



Legend

- - - Property Line
- - - BP Pipeline
- - - Above Ground Piping
- - - Fence
- - - Gas Line
- - - Overhead Utilities
- - - Storm Sewer Line
- - - Underground Electric Line
- - - Underground Communication Line
- - - PVC Conduit
- - - Vacuum Line
- Electrical Junction Box
- Manholes
- Electrical Pull Boxes
- Utility Pole
- Filtered Water Well
- Unfiltered Water Well
- Abandoned Hoosier Environmental Monitoring Well
- Monitoring Well - screened in upper medium-grained sand layer above 730.00' MSL
- Decommissioned Monitoring Well
- Abandoned Monitoring Well
- Destroyed Monitoring Well
- Decommissioned Recovery Well
- Abandoned Recovery Well
- Decommissioned Soil Vapor Extraction Well
- Decommissioned Air Sparge Well
- Abandoned Air Sparge Well
- Water Supply Well
- Piezometer
- Soil Boring

1	12911 - RESIDENTIAL GRANGER SERVICES BLDG. 2 - STAINLESS STEEL KITCHENS BLDG. 3 - TITAN SC BLDG. 4 - HYDROFLO BLDG. 5 - SPECTRUM SERVICES BLDG. 6 - SPECTRUM SERVICES	3	51507 - FEDERAL BRYANT MACHINERY CO. 51509 - WA SALES 51511 - CENTURY COMPUTER 51513A - DON HARREL ALLSTATE INSURANCE 51513B - ADVANCED POLLUTION TECHNOLOGISTS
2	I-871a - MITCHELL PAINTING, BLDG. 1 I-871b - BEEHLER KEISER, BLDG. 4 I-871c - BEEHLER KEISER, BLDG. 5 I-871d - BEEHLER KEISER, BLDG. 6 I-871e - TATAY WELL DRILLING, BLDG. 7 I-871f - GUSHWA HEATING & COOLING, INC. I-871g - PROFUSION GRAPHICS, BLDG. 10 I-871h - MORSE METAL FABRICATION, BLDG. 11 I-871i - FLOOR TECHS, BLDG. 12 I-871j - BEEHLER KEISER, BLDG. 13 I-871k - MACHINE SOLUTIONS, BLDG. 14 I-871l - MACHINE SOLUTIONS, BLDG. 15 I-871m - BEEHLER KEISER, BLDG. 16	4	51529 - ABATE OF INDIANA INC. 51531 - ADVANCED HOME CONDITION ANALYSIS 51533 - PAGES CUSTOM LETTERING 51535 - BOB SNYDER AMERICAN FAMILY INSURANCE 51541 - ETERNITY CORP. CARQUEST AUTO SIGNS UNLIMITED GRANGER PRINTING

Notes:

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- The Former Action Area 1a, Action Area 1b, and Action Area 2 boundaries are adapted from the IDEM Remedial Action Decision dated January 1992.



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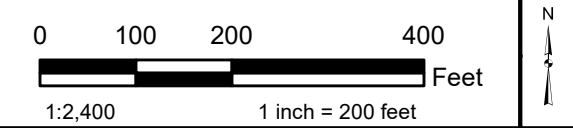
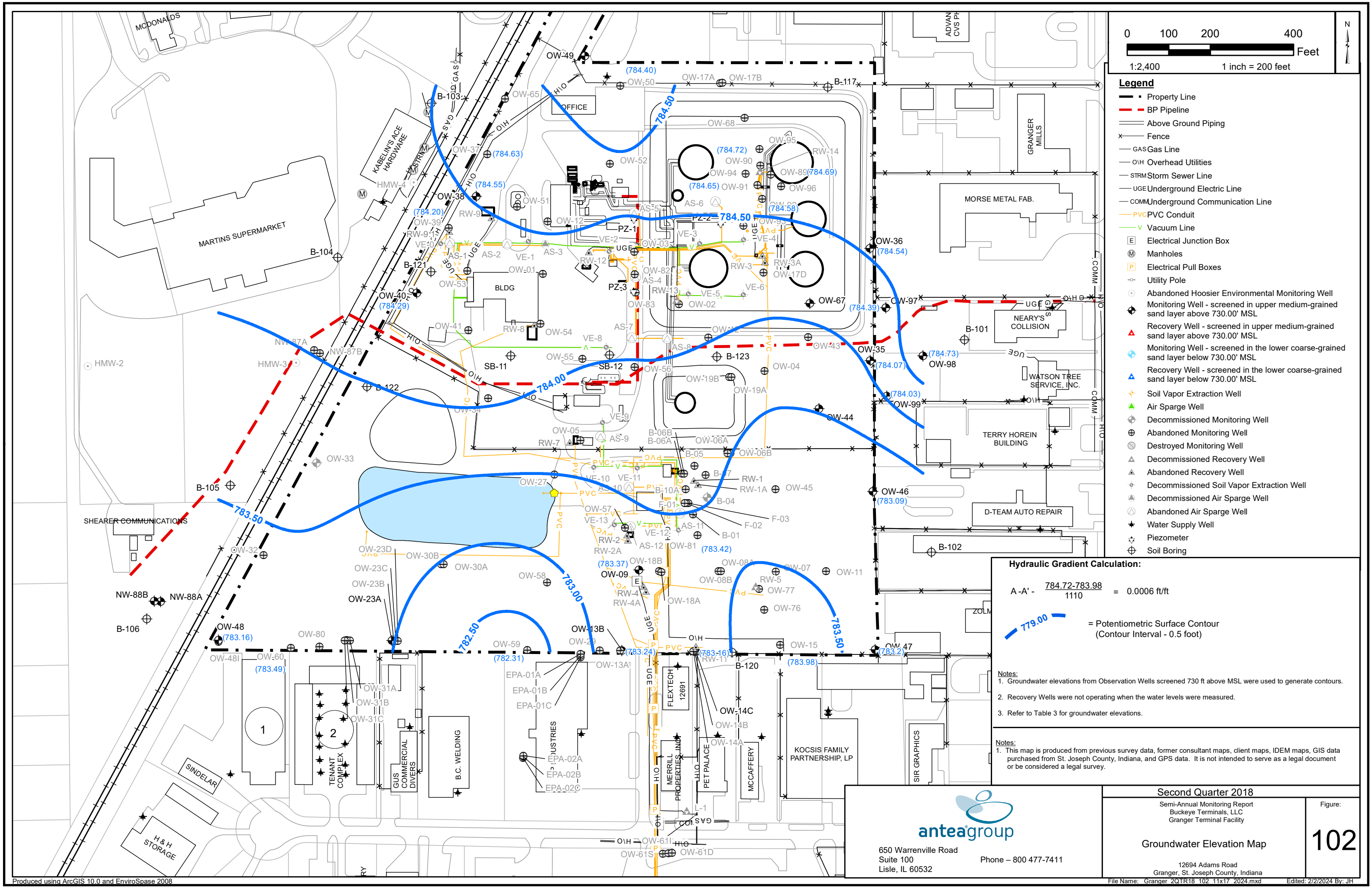
Buckeye Terminals, LLC
 Granger Terminal Facility

Overall Site Plan

12694 Adams Road
 Granger, St. Joseph County, Indiana

Figure:

101



- Legend**
- Property Line
 - BP Pipeline
 - Above Ground Piping
 - x Fence
 - GAS Gas Line
 - OIH Overhead Utilities
 - STRM Storm Sewer Line
 - UGE Underground Electric Line
 - COMM Underground Communication Line
 - PVC PVC Conduit
 - V Vacuum Line
 - E Electrical Junction Box
 - M Manholes
 - P Electrical Pull Boxes
 - U Utility Pole
 - Abandoned Hoosier Environmental Monitoring Well
 - Monitoring Well - screened in upper medium-grained sand layer above 730.00' MSL
 - ▲ Recovery Well - screened in upper medium-grained sand layer above 730.00' MSL
 - ◆ Monitoring Well - screened in the lower coarse-grained sand layer below 730.00' MSL
 - ▲ Recovery Well - screened in the lower coarse-grained sand layer below 730.00' MSL
 - ☆ Soil Vapor Extraction Well
 - ▲ Air Sparge Well
 - ⊕ Decommissioned Monitoring Well
 - ⊖ Abandoned Monitoring Well
 - ⊙ Destroyed Monitoring Well
 - ▲ Decommissioned Recovery Well
 - ▲ Abandoned Recovery Well
 - ◆ Decommissioned Soil Vapor Extraction Well
 - ▲ Decommissioned Air Sparge Well
 - ☆ Abandoned Air Sparge Well
 - ★ Water Supply Well
 - ☆ Piezometer
 - ⊕ Soil Boring

Hydraulic Gradient Calculation:

A-A' - $\frac{784.72 - 783.98}{1110} = 0.0006 \text{ ft/ft}$

779.00 = Potentiometric Surface Contour (Contour Interval - 0.5 foot)

Notes:

- Groundwater elevations from Observation Wells screened 730 ft above MSL were used to generate contours.
- Recovery Wells were not operating when the water levels were measured.
- Refer to Table 3 for groundwater elevations.

Notes:

- This map is produced from previous survey data, former consultant maps, client maps, IDEM maps, GIS data purchased from St. Joseph County, Indiana, and GPS data. It is not intended to serve as a legal document or be considered a legal survey.

anteagroup

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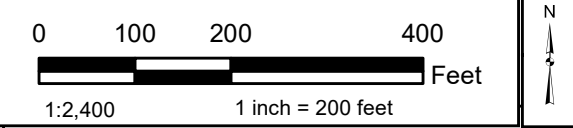
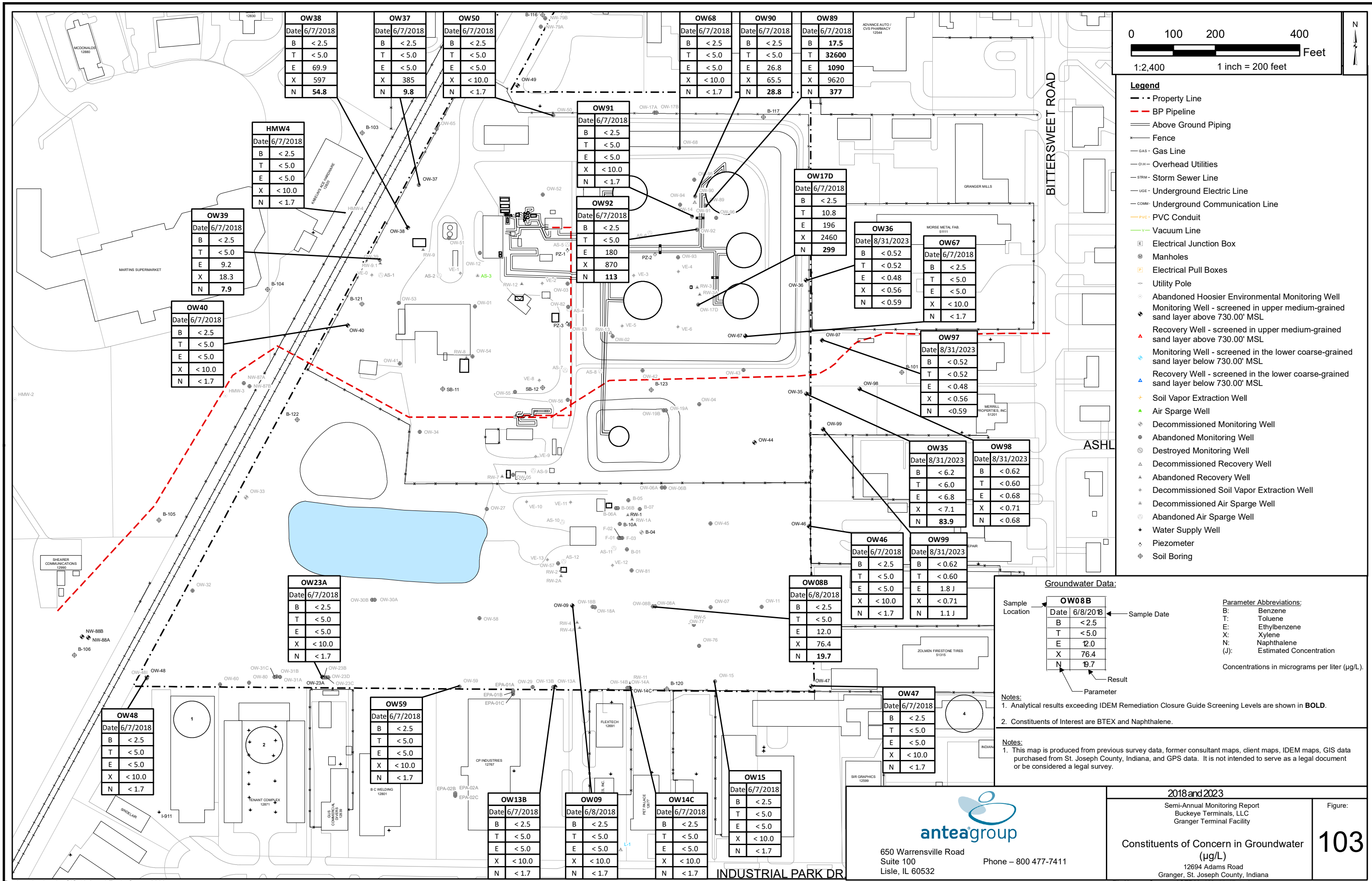
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Second Quarter 2018
Semi-Annual Monitoring Report
Buckeye Terminals, LLC
Granger Terminal Facility

Groundwater Elevation Map

Figure:
102

12694 Adams Road
Granger, St. Joseph County, Indiana
File Name: Granger 2QTR18 102 11x17 2024.mxd Edited: 2/2/2024 By: JH



- Legend**
- - - Property Line
 - - - BP Pipeline
 - - - Above Ground Piping
 - - - Fence
 - - - GAS - Gas Line
 - - - OWH - Overhead Utilities
 - - - STRM - Storm Sewer Line
 - - - UGE - Underground Electric Line
 - - - COMM - Underground Communication Line
 - - - PVC - PVC Conduit
 - - - Vacuum Line
 - ⊕ Electrical Junction Box
 - ⊕ Manholes
 - ⊕ Electrical Pull Boxes
 - ⊕ Utility Pole
 - ⊕ Abandoned Hoosier Environmental Monitoring Well
 - ⊕ Monitoring Well - screened in upper medium-grained sand layer above 730.00' MSL
 - ⊕ Recovery Well - screened in upper medium-grained sand layer above 730.00' MSL
 - ⊕ Monitoring Well - screened in the lower coarse-grained sand layer below 730.00' MSL
 - ⊕ Recovery Well - screened in the lower coarse-grained sand layer below 730.00' MSL
 - ⊕ Soil Vapor Extraction Well
 - ⊕ Air Sparge Well
 - ⊕ Decommissioned Monitoring Well
 - ⊕ Abandoned Monitoring Well
 - ⊕ Destroyed Monitoring Well
 - ⊕ Decommissioned Recovery Well
 - ⊕ Abandoned Recovery Well
 - ⊕ Decommissioned Soil Vapor Extraction Well
 - ⊕ Decommissioned Air Sparge Well
 - ⊕ Abandoned Air Sparge Well
 - ⊕ Water Supply Well
 - ⊕ Piezometer
 - ⊕ Soil Boring

Groundwater Data:

Sample Location	Date	Sample Date	Parameter
OW08B	Date	6/8/2018	
	B	< 2.5	
	T	< 5.0	
	E	12.0	
	X	76.4	
	N	19.7	

Parameter Abbreviations:
 B: Benzene
 T: Toluene
 E: Ethylbenzene
 X: Xylene
 N: Naphthalene
 (J): Estimated Concentration

Concentrations in micrograms per liter (µg/L).

Notes:
 1. Analytical results exceeding IDEM Remediation Closure Guide Screening Levels are shown in **BOLD**.
 2. Constituents of Interest are BTEX and Naphthalene.

Notes:
 1. This map is produced from previous survey data, former consultant maps, client maps, IDEM maps, GIS data purchased from St. Joseph County, Indiana, and GPS data. It is not intended to serve as a legal document or be considered a legal survey.

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2018 and 2023

Semi-Annual Monitoring Report
 Buckeye Terminals, LLC
 Granger Terminal Facility

Figure: **103**

Constituents of Concern in Groundwater (µg/L)

12694 Adams Road
 Granger, St. Joseph County, Indiana

File Name: Granger_3QTR23_103_11x17.mxd Edited: 2/2/2024 By: JH

Remediation Completion Report
Buckeye Terminals, LLC
July 2, 2024



Appendix A – Record of Site Closure Form (State Form 54472)



RECORD OF SITE CLOSURE (REMEDIAL ACTION OR CORRECTIVE ACTION)

State Form 54472 (R2 / 11-11)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

INSTRUCTIONS:

1. The purpose of this form is to clarify expectations and achieve consistency in investigations, reporting and decision-making for sites addressed under the remediation programs of the Indiana Department of Environmental Management (IDEM). Information in this form should be an executive summary of the Remedial Action or Corrective Action.
2. Complete and submit this form with a Closure Report when you have implemented a Remediation Work Plan (RWP) or Corrective Action Plan (CAP), and seek closure approval from IDEM.
3. You may complete this form electronically; however, a paper copy of this form and all attachments should accompany the Closure Report.
4. You may include additional information on separate sheets where needed.
5. Note: If there was a Record of Remedy Selection, Sections 8, 9 and 10 of this form should contain only new information. See the instructions for each of these sections.
6. Add lines and/or attach pages as needed.
7. All instructions within this form are in italics.

1. SITE INFORMATION

- a. Site name Buckeye Granger Terminal
- b. Site/Incident/FID number VRP #6150307
- c. Date of this submittal (*month, day, year*) _____
- d. Location (*number and street*) 12694 Adams Road
- e. City, County, ZIP code Granger, St. Joseph County, 46530
- f. Will this amend an approved RWP or CAP? (*Yes or no*) No
- g. IDEM Remediation Services Section (*Leaking Underground Storage Tanks, Excess Liability Trust Fund, Voluntary Remediation, State Cleanup, Brownfields*) Voluntary Remediation

2. RESPONSIBLE PARTY/PARTICIPANT INFORMATION

- a. Name Buckeye Terminals, LLC
- b. Address (*number and street*) The Buckeye Building, 6161 Hamilton Boulevard
- c. City, State, ZIP code Allentown, PA 18106

3. CONSULTANT INFORMATION

- a. Name Antea Group
- b. Address (*number and street*) 650 Warrenville Road, Suite 100
- c. City, State, ZIP code Lisle, Illinois 60532
- d. Telephone number 815-514-7145
- e. E-mail address christopher.kocka@anteagroup.us

4. SITE DESCRIPTION

The answers in this section should describe the site prior to any remediation or corrective action.

- a. Site type (type of industry or release)
Refined petroleum products bulk storage and terminal facility

- b. Size of affected area (acres). The nature and extent of contamination that would not qualify for unconditional closure as determined in accordance with the most recent revision of the Remediation Closure Guide is considered to be the affected area.
33.3 acres

- c. Current and expected land use(s) of the affected area (residential, commercial/industrial or recreational)
Commercial/Industrial

- d. Current and expected use(s) of land adjacent to the affected area (Residential, commercial /industrial or recreational). An affected area may be well within the perimeter of an industrial property. In that case, the current use of the adjacent land is industrial. If an affected area is at or near the perimeter of an industrial property, the adjacent land is the neighboring property.
Commercial/Industrial

- e. Contaminant types (based on your Conceptual Site Model (CSM); metals, volatile organic compounds, semi volatile organic compounds, PCBs, petroleum, pesticides/herbicides, or specify other contaminant type)
Petroleum compounds such as BTEX and naphthalene

- f. Contaminated Media (based on your CSM; surface soil, subsurface soil, air, indoor air (vapor intrusion, surface water, ground water, sediment, or specify other media)
Ground water

- g. Is any part of the affected area within a Well Head Protection Area? (Yes or no.) No

5. SUMMARY OF COMPLETED REMEDIATION OR CORRECTIVE ACTION

- a. Select the basis for remediation objectives for each contaminant and state what contaminants will be addressed (In accordance with Indiana Code 13-25-5-8.5. Complete Indiana Code is published at www.IN.gov/legislative/ic/code/. More than one may apply. Group contaminants if addressed by the same type of remediation objective).
 - Background levels.
Contaminants Not applicable.

 - Risk-based levels, using standard equations and default values (screening levels).
Contaminants Not applicable.

 - Risk-based levels, using site specific data for default values (screening levels) in standard equations. Contaminants Not applicable.

 - Risk-based levels, using site specific factors, including consideration of remediation measures. Contaminants Benzene, toluene, ethylbenzene, total xylenes, and naphthalene

- b. For each potential exposure pathway(s) listed below, check yes or no to indicate if the pathway required remediation or exposure control measures. Then either
 - Briefly describe the remediation or corrective action measures, including risk management approaches; or

- *If contamination was detected above screening levels or site-specific levels that is not considered to pose a risk, discuss the pathway and the magnitude of risk and explain why the contamination does not contribute to unacceptable risk or a complete pathway. (If no such contamination was detected, no explanation is needed here).*

i. Soil direct contact

Did this pathway require remediation/exposure control measures? Yes No

Discuss: During the 2007-2008 soil assessment, the soil laboratory analytical results were compared to Risk Integrated System of Closure (RISC) Residential and Industrial Default Closure Levels. These soil laboratory analytical results were re-evaluated and compared to the 2015 RCG Soil Exposure and Soil MTG Screening Levels to determine if the soil laboratory analytical results meet the current RCG criteria. The only soil sample not previously identified as exceeding RISC criteria but exceeding 2015 RCG criteria is SB19 collected from 26-28 feet bgs. The naphthalene concentration in this sample (0.448 milligrams per kilogram (mg/kg)) exceeds the 2015 Soil MTG objective for naphthalene (0.11 mg/kg); however, groundwater was encountered at 23 feet bgs in SB19. Because this sample was collected from the saturated zone, the conclusion presented in the July 2009 MIP Investigation Report, that no vadose zone impacts remain at the site, remains valid. In addition, no surficial impacts are present.

ii. Ground water direct contact and migration to ground water

Did this pathway require remediation/exposure control measures? Yes No

Discuss: Onsite groundwater concentrations of benzene, toluene, ethylbenzene, and naphthalene and offsite groundwater concentrations of naphthalene in excess of 2015 RCG Residential Tap Screening Levels were addressed through the use of Environmental Restrictive Covenants (ERCs), limiting groundwater usage on portions of the affected properties.

iii. Vapor intrusion

Did this pathway require remediation/exposure control measures? Yes No

Discuss: Groundwater concentrations meet the applicable 2015 Tap Screening Levels and Vapor Exposure Levels for benzene and naphthalene. However, an ERC have been secured for the facility and the off-site property located at 51177 Bittersweet Road, limiting portions of the property to non-residential usage.

iv. Other human health or ecological scenario

Did this pathway require remediation/exposure control measures? Yes No

Discuss: No susceptible human populations or ecologically sensitive areas are located nearby.

c. List and attach a copy of:

- Each legally adopted Environmental Restrictive Ordinance (ERO) used for exposure control. Not applicable.
- Each recorded Environmental Restrictive Covenant (ERC) used for exposure control. See Appendix D.

6. UNCONDITIONAL CLOSURE (If closure is conditional proceed to Section 7.)

- Why is unconditional closure appropriate? (Explain why: 1) it is unnecessary to remediate or restrict site use based on contaminant levels, or 2) use can be effectively restricted without institutional controls, and/or 3) no ongoing monitoring, maintenance or reporting is necessary).

- Title of report that contains more information including section/page numbers, and/or figure or

table with pertinent information. (Any report referenced here should be listed in Section 10, Record of Communication. More than one may apply, add lines as needed.)

<u>Title</u>	<u>Section/Page</u>	<u>Figure/Table</u>
--------------	---------------------	---------------------

7. CONDITIONAL CLOSURE AND CONDITIONS SUBSEQUENT TO CLOSURE

- a. Where does the contamination remain that does not qualify for unconditional closure. Include media and location (*horizontal and vertical*).
Residual groundwater impacts are present on the following Parcel Identification Numbers: 71-05-18-126-012.000-011, 71-05-18-126-019.000-011, 71-05-18-126-014.000-011, and 71-05-18-126-015.000-011.
- b. What are the conditions of closure that need to be performed or maintained?
Shall not use or allow the use of the Real Estate for residential purposes, including, but not limited to, daily child care facilities or educational facilities for children (e.g., daycare centers or K-12 schools).

Shall not use or allow the use or extraction of groundwater at the Real Estate for any purpose, including, but not limited to: human or animal consumption, gardening, industrial processes, or agriculture, except that groundwater may be extracted in conjunction with environmental investigation and/or remediation activities.

Shall prohibit any activity at the Real Estate that may interfere with the groundwater monitoring or well network.
- c. Describe any third party property interest or other formal agreement. (If any third party property interest or other formal agreement is needed to ensure that the remedy remains protective, identify the third party property address, and the nature of the property interest or agreement needed.) Not applicable.
- d. List and indicate the frequency of any inspections, status reports, or operation and maintenance (O&M) activities (if O&M is necessary). Not applicable.
- e. Describe any financial assurance mechanism (if required to assure remedy effectiveness).

Type of instrument	<u>Not applicable.</u>
Amount	<u>Not applicable.</u>
Type of reporting required	<u>Not applicable.</u>
Frequency of reporting	<u>Not applicable.</u>
Period of effectiveness	<u>Not applicable.</u>
Beneficiary	<u>Not applicable.</u>
- f. List any report that contains more information about items a. through e. above. (Enter title, date and 8-digit Virtual File Cabinet (VFC) document number. Any report referenced here should be listed in Section 10, Record of Communication. More than one may apply, add lines as needed.)

<u>Title</u>	<u>Date</u>	<u>VFC Number</u>
<u>Remediation Work Plan</u>	<u>March 15, 2016</u>	<u>80256721</u>

8. ILLUSTRATION OF SITE CONCEPTUAL MODEL AND POST-REMEDY SITE RISK CHARACTERIZATION

If a Record of Remedy Selection was approved or if this amends a previously approved Record of Site Closure, only new information needs to be provided.

- a. Attach figures or tables to illustrate the information provided in Section 5, including the background levels, screening levels or site-specific levels (*for each contaminant, affected media and exposure pathway*) used to:
 - 1. Determine the nature and extent of contamination; and
 - 2. Identify areas that were evaluated for a remedy (areas that did not immediately qualify for an unconditional closure based on the investigation data).

- b. Document (with figures and tables) specific areas where a cleanup was performed, or a risk assessment applied, or a risk management approach was employed to achieve closure.
 - *Document (with figures and tables) areas where screening levels or site-specific levels were exceeded.*
 - *Organize and label the figures and tables according to the exposure pathway.*
 - *Figures or tables should include:*
 - *Sample identifiers*
 - *Contaminants detected above screening levels or site-specific levels*
 - *Concentrations of those contaminants*
 - *Screening levels or site-specific levels that indicated the need for a remedy.)*
 - *Post-remediation concentrations (Use numerical concentrations if contaminants were treated or removed. This is not necessary if the remedy consists of exposure control, or exposure control measures were considered in the site specific risk assessment).*

- c. List all attachments.
 - 1. Figure(s).
See Figures Section of Remediation Completion Report.
 - 2. Table(s).
See Tables Section of Remediation Completion Report.

9. PUBLIC PARTICIPATION

Types of public participation may include letters to health department officials, direct contact or notification of potentially affected parties, fact sheets, public notices, availability sessions, public meetings or other. Include: 1) the date(s) of the activity, 2) type of participation, and 3) location (for any meeting), name of publication (for any ad or public notice), or address(s) of party(s) notified. If public participation was reported in a Record of Remedy Selection, or if this will amend an approved Record of Site Closure, provide only information that has changed. Add lines as needed.

Not applicable. (*Check if no participation or notification was necessary.*)

<u>Date</u>	<u>Activity</u>	<u>Location/Publication/Address</u>
<u>December 26, 2016</u>	<u>30-Day Public Notice Period</u>	<u>Mishawaka-Penn-Harris Public Library, 51446 Elm Road, Granger, Indiana</u>
_____	_____	_____

10. RECORD OF COMMUNICATION

List key documents generated since the Record of Remedy Selection (if any). May include Corrective Action Plan, Remediation Work Plan, revision or amendment, request for No Further Action, as-built drawings, Remediation Completion Report, Certificate of Completion, Record of Remedy Selection (if any), any legal agreements, and any other key documents. Include 1) title, 2) document date, 3) preparer and 4) 8-digit Virtual File Cabinet (VFC) document number. If this will amend an approved Record of Site

Closure, provide only information that has changed. Add lines as needed.

<u>Title</u>	<u>Date</u>	<u>Preparer</u>	<u>VFC Number</u>
Remediation Work Plan Response Letter	9/26/2016	Antea Group	80357455

11. SIGNATURE OF PREPARER OF THIS REPORT

Site name Buckeye Terminals, LLC - Granger Terminal

Site/Incident/FID number 6150307

Amendment No. 0

Name Christopher Kocka

Position Senior Project Manager

Company Antea Group

Date (month, day, year) 06/28/2024

Enter professional credential(s) for sites addressed under 329 Indiana Administrative Code (IAC) 9-5-5.1, 329 IAC 9-5-6, or 329 IAC 9-5-7, or if required by a site specific agreement.

Indiana PG #2701

Environmental Professional Credential



Signature

12. THIS SECTION TO BE COMPLETED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Approval of Site Closure

Closure status may be rendered ineffective if new information indicates potentially unacceptable risk to human health and/or the environment or if the terms of any ERC, ERO or other Condition Subsequent to Closure are not met.

Some remediation or corrective action procedures may be the subject of claims of patent protection. By approving remediation or corrective action procedures proposed in your work plan IDEM makes no representation about your rights to utilize those procedures and is in no way suggesting, encouraging, or otherwise inducing you to infringe on any patented interest. It is solely your responsibility to ensure that you have all necessary rights and licenses to implement the remedial or corrective action activities proposed in your work plan and to ensure that you do not infringe on the patent rights of others.

Site name _____

Site/Incident/FID number _____

Amendment No. _____

Name	_____
Title	_____
Date (<i>month, day, year</i>)	_____
Signature	_____

Remediation Completion Report
Buckeye Terminals, LLC
July 2, 2024



Appendix B – Remediation Completion Report Completeness Checklist (State Form 54168)



**REMEDiation COMPLETION REPORT
COMPLETENESS CHECKLIST**

State Form 54168 (1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY
VOLUNTARY REMEDIATION SECTION
100 N. Senate Avenue
MC 66-30, IGCN 1101,
Indianapolis, IN 46204-2251

INSTRUCTIONS This checklist shall be completed and returned for all remediation completion report (RCR) submittals for review under IC 13-25-5-16. When completed, please return this form and support documents to the address given in the box above.

The primary purpose of the remediation completion report is to document the completion of activities identified in the remediation work plan (see RISC User's Guide – Appendix 1 Dated February 15, 2001 A.1-30 Appendix A1.2). The RCR also provides information about the performance of the remediation measures and indicates how the site was or will be restored following remediation.

I. INTRODUCTION

Report/Plan Element	Location in Document
A. Project Identification and Site Background	Page 1
1. Site name, facility identification number(s), address, and telephone number	Page 1
2. Current owner and operator, mailing address, and telephone number	Page 1
3. Site contact person or group responsible for guiding the remediation project(s)	page 1
4. Historical summary of site ownership	Page 2
5. Type of facility, including description of past and current operations	page 2
6. Site location map and site layout drawing showing the following:	page 2
a. Property boundaries, roads, loading and unloading areas, and building outlines	page 2
b. Locations of treatment or disposal areas, remediated areas, ground water monitoring wells, ground water production wells, sampling points, and major remediation equipment	Page 2
c. Raw materials and bulk storage areas	page 2
7. Overview of the initial discovery of contamination, spill history, investigations conducted at the site, and remediation history	Page 2
8. List of previously completed reports concerning the site, and a discussion of other data and documentation available for the site	Page 2-3
B. Remediation Effort	Page 3
1. Description of the remediation system, including a block flow diagram or other conceptual illustration of the system as installed, and major equipment used or installed	Page 3
2. Evaluation of overall system performance, including discussion of procedures used to measure and document system performance, significant problems that occurred, and how the problems were addressed	page 3-4
3. Description of remedial action(s) undertaken at the site, including the following:	page 4
a. Summary of remedial activities performed	—
b. Description of wastes generated during remedial activities, including total volumes or amounts and final disposition	—
c. Description of time required to achieve full remediation	—

II. Confirmation Sampling

IDEM must receive advance notice before any confirmation sampling is conducted so that the sampling activities can be observed and duplicate samples can be collected, if appropriate. IDEM will not evaluate any requests for a Covenant Not to Sue, or other actions until the final report has been approved and confirmation monitoring and sampling have been completed.

The closure report must describe confirmation sampling procedures as they were actually implemented. The actual numbers and locations of confirmation samples must be shown on a map. Analytical results must be presented in tabular form, addressing all sampling locations, affected media, and contaminants. The name, address, and telephone number of the laboratory or (laboratories) that performed the analyses must also be identified. Copies of laboratory reports and chain-of-custody forms must be provided in Appendices A and B.

<p>A. The confirmation monitoring portion of the closure report must include the information below.</p> <ol style="list-style-type: none"> 1. Data from most recent monitoring and sampling event 2. Graphical display of data to show remediation effectiveness and trends, including historical comparison with previous sampling results 3. Summary of O&M problems or downtime experienced during current reporting period, including the following: <ol style="list-style-type: none"> a. Reasons for O&M problems or downtime b. Length of downtime c. Corrective measures taken to repair the system 4. Recommendations concerning need for additional monitoring and sampling events, including the following: <ol style="list-style-type: none"> a. Continued monitoring and sampling if cleanup criteria have not been achieved, including re-evaluation of time required to achieve cleanup criteria and revised monitoring and sampling schedule b. Final closure report submittal if cleanup criteria have been achieved, including the following: <ul style="list-style-type: none"> - Final confirmation monitoring and sampling report - Information that demonstrates that cleanup criteria have been achieved - Clear statement of expected future uses of the site after remediation is completed (such as residential or nonresidential) - Discussion of deed restrictions, land-use restrictions, or environmental notice requirements (See Section IV) 	<p>PAGE 4</p> <p>Table 1.2</p> <p>page 4</p> <p>page 5</p> <p>—</p> <p>—</p> <p>—</p> <p>Page 5</p> <p>Page 5</p> <p>page 5</p> <p>page 5</p> <p>page 5</p> <p>page 5</p> <p>page 5</p> <p>page 5</p> <p>page 5</p> <p>page 5, Section III.A</p>
<p>B. Completed Field Work and Laboratory Analysis</p> <ol style="list-style-type: none"> 1. Summary of confirmation sampling performed, including the following: <ol style="list-style-type: none"> a. Confirmation sampling procedures b. Confirmation sampling locations on a plan view map c. Rationales for sampling locations and number of samples collected 2. Confirmation sampling results, including the following: <ol style="list-style-type: none"> a. Tabulated or graphical representation of results for all affected media and contaminants, including historical comparison of contaminant concentrations b. Laboratory reports in Appendix A, including the following: <ul style="list-style-type: none"> - List of analytical methods used and associated parameters - Name, address, and telephone number of laboratory c. All chain-of-custody forms in Appendix B 	<p>page 5</p> <p>page 5</p> <p>page 5</p> <p>page 6, sketch</p> <p>page 6</p> <p>page 6, MIP investigation</p> <p>page 6</p> <p>page 6</p> <p>page 6</p> <p>page 6</p> <p>Appendix C</p> <p>page 6</p>
<p>C. Evaluation of Confirmation Sampling Results</p> <ol style="list-style-type: none"> 1. Comparison of confirmation sampling results with the agreed upon cleanup levels 2. Comparison of IDEM's split confirmation sampling results with the applicant's confirmation results and the agreed upon cleanup levels 3. Acceptable cleanup criteria for all contaminants of concern and for all affected media 4. Demonstration that acceptable cleanup criteria have been met 	<p>sect 11.A</p> <p>NA</p> <p>page 6</p> <p>page 6</p>
<p>D. Final Site Restoration</p>	<p>page 7</p>
<p>A description of work required to restore the site after remediation is required. Issues such as monitoring well abandonment and equipment dismantling must be addressed.</p>	
<p>1. Summary of site restoration work, including the following:</p>	<p>page 7</p>
<p>a. Description of how disturbed areas have been or will be restored</p>	<p>page 7</p>
<p>b. Completion schedule for restoration activities</p>	<p>page 7-8</p>
<p>2. Description of remediation equipment dismantling and removal, including the following:</p>	<p>page 8</p>
<p>a. Description of decontamination procedures</p>	<p>—</p>
<p>b. Description of decontamination verification sampling</p>	<p>—</p>
<p>c. Description of waste disposal activities conducted</p>	<p>—</p>

III. Appendices

A. Copies of Laboratory Reports	APPENDIX C
B. Chain-of-Custody Forms	APPENDIX C

IV. Environmental Restrictive Covenant

Report/Plan Element	Location in Document
A. Text of environmental restrictive covenant	APPENDIX D, Section 11.A
B. List of activity restrictions	PAGE 8-9

Appendix C – Laboratory Analytical Results and Chain-of-Custody



September 25, 2023

Kendall Rannaoja
Antea Group (IL)
650 Warrenville Rd
Suite 100
Lisle, IL 60532

RE: Project: Buckeye_Granger_Terminal
Pace Project No.: 50353086

Dear Kendall Rannaoja:

Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

This revised report replaces the version sent on 9/7/23. MDL and J-Flags were added. WHS 9/25/23

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Amanda Strayton, Antea Group



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268

Illinois Accreditation #: 200074

Indiana Drinking Water Laboratory #: C-49-06

Kansas/TNI Certification #: E-10177

Kentucky UST Agency Interest #: 80226

Kentucky WW Laboratory ID #: 98019

Michigan Drinking Water Laboratory #9050

Ohio VAP Certified Laboratory #: CL0065

Oklahoma Laboratory #: 9204

Texas Certification #: T104704355

Wisconsin Laboratory #: 999788130

USDA Foreign Soil Permit #: 525-23-13-23119

USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50353086001	OW35_20230831	Water	08/31/23 13:05	09/01/23 09:30
50353086002	OW36_20230831	Water	08/31/23 13:20	09/01/23 09:30
50353086003	OW97_20230831	Water	08/31/23 11:15	09/01/23 09:30
50353086004	OW98_20230831	Water	08/31/23 12:10	09/01/23 09:30
50353086005	OW99_20230831	Water	08/31/23 11:45	09/01/23 09:30
50353086006	OW-DUP-01_20230831	Water	08/31/23 08:00	09/01/23 09:30
50353086007	TB01	Water	08/31/23 08:00	09/01/23 09:30

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SAMPLE ANALYTE COUNT

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50353086001	OW35_20230831	EPA 8260	DAP	8	PASI-I
50353086002	OW36_20230831	EPA 8260	DAP	8	PASI-I
50353086003	OW97_20230831	EPA 8260	DAP	8	PASI-I
50353086004	OW98_20230831	EPA 8260	DAP	8	PASI-I
50353086005	OW99_20230831	EPA 8260	DAP	8	PASI-I
50353086006	OW-DUP-01_20230831	EPA 8260	DAP	8	PASI-I
50353086007	TB01	EPA 8260	DAP	8	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

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SUMMARY OF DETECTION

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50353086001	OW35_20230831					
EPA 8260	Naphthalene	83.9	ug/L	50.0	09/06/23 20:35	
50353086005	OW99_20230831					
EPA 8260	Ethylbenzene	1.8J	ug/L	5.0	09/06/23 21:41	
EPA 8260	Naphthalene	1.1J	ug/L	5.0	09/06/23 21:41	
50353086006	OW-DUP-01_20230831					
EPA 8260	Ethylbenzene	4.4J	ug/L	5.0	09/06/23 22:13	
EPA 8260	Xylene (Total)	35.4	ug/L	10.0	09/06/23 22:13	
EPA 8260	Naphthalene	77.4	ug/L	5.0	09/06/23 22:13	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Sample: OW35_20230831 Lab ID: 50353086001 Collected: 08/31/23 13:05 Received: 09/01/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Indianapolis									
Benzene	ND	ug/L	25.0	6.2	10		09/06/23 20:35	71-43-2	
Toluene	ND	ug/L	50.0	6.0	10		09/06/23 20:35	108-88-3	
Ethylbenzene	ND	ug/L	50.0	6.8	10		09/06/23 20:35	100-41-4	
Xylene (Total)	ND	ug/L	100	7.1	10		09/06/23 20:35	1330-20-7	
Naphthalene	83.9	ug/L	50.0	6.8	10		09/06/23 20:35	91-20-3	
Surrogates									
Dibromofluoromethane (S)	105	%	82-128		10		09/06/23 20:35	1868-53-7	D3
Toluene-d8 (S)	92	%	73-122		10		09/06/23 20:35	2037-26-5	
4-Bromofluorobenzene (S)	99	%	79-124		10		09/06/23 20:35	460-00-4	

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ANALYTICAL RESULTS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Sample: OW36_20230831 Lab ID: 50353086002 Collected: 08/31/23 13:20 Received: 09/01/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Indianapolis									
Benzene	ND	ug/L	2.5	0.52	1		09/06/23 20:51	71-43-2	
Toluene	ND	ug/L	5.0	0.52	1		09/06/23 20:51	108-88-3	
Ethylbenzene	ND	ug/L	5.0	0.48	1		09/06/23 20:51	100-41-4	
Xylene (Total)	ND	ug/L	10.0	0.56	1		09/06/23 20:51	1330-20-7	
Naphthalene	ND	ug/L	5.0	0.59	1		09/06/23 20:51	91-20-3	
Surrogates									
Dibromofluoromethane (S)	104	%	82-128		1		09/06/23 20:51	1868-53-7	
Toluene-d8 (S)	97	%	73-122		1		09/06/23 20:51	2037-26-5	
4-Bromofluorobenzene (S)	94	%	79-124		1		09/06/23 20:51	460-00-4	

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ANALYTICAL RESULTS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Sample: OW97_20230831 Lab ID: 50353086003 Collected: 08/31/23 11:15 Received: 09/01/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Indianapolis									
Benzene	ND	ug/L	2.5	0.52	1		09/06/23 21:24	71-43-2	
Toluene	ND	ug/L	5.0	0.52	1		09/06/23 21:24	108-88-3	
Ethylbenzene	ND	ug/L	5.0	0.48	1		09/06/23 21:24	100-41-4	
Xylene (Total)	ND	ug/L	10.0	0.56	1		09/06/23 21:24	1330-20-7	
Naphthalene	ND	ug/L	5.0	0.59	1		09/06/23 21:24	91-20-3	
Surrogates									
Dibromofluoromethane (S)	103	%	82-128		1		09/06/23 21:24	1868-53-7	
Toluene-d8 (S)	97	%	73-122		1		09/06/23 21:24	2037-26-5	
4-Bromofluorobenzene (S)	94	%	79-124		1		09/06/23 21:24	460-00-4	

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ANALYTICAL RESULTS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Sample: OW98_20230831 Lab ID: 50353086004 Collected: 08/31/23 12:10 Received: 09/01/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Indianapolis									
Benzene	ND	ug/L	2.5	0.62	1		09/06/23 21:08	71-43-2	
Toluene	ND	ug/L	5.0	0.60	1		09/06/23 21:08	108-88-3	
Ethylbenzene	ND	ug/L	5.0	0.68	1		09/06/23 21:08	100-41-4	
Xylene (Total)	ND	ug/L	10.0	0.71	1		09/06/23 21:08	1330-20-7	
Naphthalene	ND	ug/L	5.0	0.68	1		09/06/23 21:08	91-20-3	
Surrogates									
Dibromofluoromethane (S)	104	%	82-128		1		09/06/23 21:08	1868-53-7	
Toluene-d8 (S)	92	%	73-122		1		09/06/23 21:08	2037-26-5	
4-Bromofluorobenzene (S)	98	%	79-124		1		09/06/23 21:08	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Sample: OW99_20230831 Lab ID: 50353086005 Collected: 08/31/23 11:45 Received: 09/01/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Indianapolis									
Benzene	ND	ug/L	2.5	0.62	1		09/06/23 21:41	71-43-2	
Toluene	ND	ug/L	5.0	0.60	1		09/06/23 21:41	108-88-3	
Ethylbenzene	1.8J	ug/L	5.0	0.68	1		09/06/23 21:41	100-41-4	
Xylene (Total)	ND	ug/L	10.0	0.71	1		09/06/23 21:41	1330-20-7	
Naphthalene	1.1J	ug/L	5.0	0.68	1		09/06/23 21:41	91-20-3	
Surrogates									
Dibromofluoromethane (S)	105	%	82-128		1		09/06/23 21:41	1868-53-7	
Toluene-d8 (S)	93	%	73-122		1		09/06/23 21:41	2037-26-5	
4-Bromofluorobenzene (S)	97	%	79-124		1		09/06/23 21:41	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Sample: OW-DUP-01_20230831 Lab ID: 50353086006 Collected: 08/31/23 08:00 Received: 09/01/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Indianapolis									
Benzene	ND	ug/L	2.5	0.62	1		09/06/23 22:13	71-43-2	
Toluene	ND	ug/L	5.0	0.60	1		09/06/23 22:13	108-88-3	
Ethylbenzene	4.4J	ug/L	5.0	0.68	1		09/06/23 22:13	100-41-4	
Xylene (Total)	35.4	ug/L	10.0	0.71	1		09/06/23 22:13	1330-20-7	
Naphthalene	77.4	ug/L	5.0	0.68	1		09/06/23 22:13	91-20-3	
Surrogates									
Dibromofluoromethane (S)	104	%	82-128		1		09/06/23 22:13	1868-53-7	
Toluene-d8 (S)	95	%	73-122		1		09/06/23 22:13	2037-26-5	
4-Bromofluorobenzene (S)	96	%	79-124		1		09/06/23 22:13	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Sample: TB01 Lab ID: 50353086007 Collected: 08/31/23 08:00 Received: 09/01/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Indianapolis									
Benzene	ND	ug/L	2.5	0.62	1		09/06/23 19:30	71-43-2	
Toluene	ND	ug/L	5.0	0.60	1		09/06/23 19:30	108-88-3	
Ethylbenzene	ND	ug/L	5.0	0.68	1		09/06/23 19:30	100-41-4	
Xylene (Total)	ND	ug/L	10.0	0.71	1		09/06/23 19:30	1330-20-7	
Naphthalene	ND	ug/L	5.0	0.68	1		09/06/23 19:30	91-20-3	
Surrogates									
Dibromofluoromethane (S)	104	%	82-128		1		09/06/23 19:30	1868-53-7	
Toluene-d8 (S)	92	%	73-122		1		09/06/23 19:30	2037-26-5	
4-Bromofluorobenzene (S)	99	%	79-124		1		09/06/23 19:30	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buckeye_Granger_Terminal
Pace Project No.: 50353086

QC Batch: 751569 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50353086002, 50353086003

METHOD BLANK: 3444249 Matrix: Water

Associated Lab Samples: 50353086002, 50353086003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	ND	2.5	0.52	09/06/23 12:40	
Ethylbenzene	ug/L	ND	5.0	0.48	09/06/23 12:40	
Naphthalene	ug/L	ND	5.0	0.59	09/06/23 12:40	
Toluene	ug/L	ND	5.0	0.52	09/06/23 12:40	
Xylene (Total)	ug/L	ND	10.0	0.56	09/06/23 12:40	
4-Bromofluorobenzene (S)	%	96	79-124		09/06/23 12:40	
Dibromofluoromethane (S)	%	103	82-128		09/06/23 12:40	
Toluene-d8 (S)	%	97	73-122		09/06/23 12:40	

LABORATORY CONTROL SAMPLE: 3444250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	54.6	109	74-124	
Ethylbenzene	ug/L	50	55.4	111	74-125	
Naphthalene	ug/L	50	53.0	106	70-132	
Toluene	ug/L	50	55.0	110	72-119	
Xylene (Total)	ug/L	150	173	115	73-123	
4-Bromofluorobenzene (S)	%			107	79-124	
Dibromofluoromethane (S)	%			104	82-128	
Toluene-d8 (S)	%			100	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3444251 3444252

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50353086003 Result	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	ND	50	50	46.0	54.3	92	109	65-137	16	20
Ethylbenzene	ug/L	ND	50	50	44.5	51.6	89	103	50-143	15	20
Naphthalene	ug/L	ND	50	50	41.0	49.1	82	98	51-135	18	20
Toluene	ug/L	ND	50	50	45.3	52.3	91	105	57-137	14	20
Xylene (Total)	ug/L	ND	150	150	138	157	92	105	52-137	13	20
4-Bromofluorobenzene (S)	%						102	105	79-124		
Dibromofluoromethane (S)	%						103	104	82-128		
Toluene-d8 (S)	%						100	100	73-122		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

QC Batch:	751579	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Indianapolis

Associated Lab Samples: 50353086001, 50353086004, 50353086005, 50353086006, 50353086007

METHOD BLANK: 3444288 Matrix: Water
 Associated Lab Samples: 50353086001, 50353086004, 50353086005, 50353086006, 50353086007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	ND	2.5	0.62	09/06/23 12:56	
Ethylbenzene	ug/L	ND	5.0	0.68	09/06/23 12:56	
Naphthalene	ug/L	ND	5.0	0.68	09/06/23 12:56	
Toluene	ug/L	ND	5.0	0.60	09/06/23 12:56	
Xylene (Total)	ug/L	ND	10.0	0.71	09/06/23 12:56	
4-Bromofluorobenzene (S)	%	98	79-124		09/06/23 12:56	
Dibromofluoromethane (S)	%	102	82-128		09/06/23 12:56	1d
Toluene-d8 (S)	%	93	73-122		09/06/23 12:56	

LABORATORY CONTROL SAMPLE: 3444289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	54.5	109	74-124	
Ethylbenzene	ug/L	50	55.5	111	74-125	
Naphthalene	ug/L	50	53.0	106	70-132	
Toluene	ug/L	50	54.2	108	72-119	
Xylene (Total)	ug/L	150	170	113	73-123	
4-Bromofluorobenzene (S)	%			98	79-124	
Dibromofluoromethane (S)	%			103	82-128	
Toluene-d8 (S)	%			98	73-122	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye_Granger_Terminal

Pace Project No.: 50353086

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50353086001	OW35_20230831	EPA 8260	751579		
50353086002	OW36_20230831	EPA 8260	751569		
50353086003	OW97_20230831	EPA 8260	751569		
50353086004	OW98_20230831	EPA 8260	751579		
50353086005	OW99_20230831	EPA 8260	751579		
50353086006	OW-DUP-01_20230831	EPA 8260	751579		
50353086007	TB01	EPA 8260	751579		

REPORT OF LABORATORY ANALYSIS

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SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 09/02/23 1150 JT

1. Courier: FED EX UPS CLIENT PACE NOW/JETT OTHER _____
2. Custody Seal on Cooler/Box Present: Yes No
 (If yes)Seals Intact: Yes No (leave blank if no seals were present)
3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G **H**
4. Cooler Temperature(s): 1.7 / 1.7
 (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. Packing Material: Bubble Wrap Bubble Bags
 None Other _____
6. Ice Type: Wet Blue None
7. If temp. is over 6°C or under 0°C, was the PM notified?: Yes No
 Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		<input checked="" type="checkbox"/>	All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.			
Short Hold Time Analysis (48 hours or less)? Analysis:		<input checked="" type="checkbox"/>	Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			<input checked="" type="checkbox"/>
Time 5035A TC placed in Freezer or Short Holds To Lab			Time:	Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			<input checked="" type="checkbox"/>
Rush TAT Requested (4 days or less):		<input checked="" type="checkbox"/>	Residual Chlorine Check (Total/Amenable/Free Cyanide)			<input checked="" type="checkbox"/>
Custody Signatures Present?	<input checked="" type="checkbox"/>		Headspace Wisconsin Sulfide?			<input checked="" type="checkbox"/>
Containers Intact?:	<input checked="" type="checkbox"/>		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	<input checked="" type="checkbox"/>		Trip Blank Present?	<input checked="" type="checkbox"/>		
Extra labels on Terracore Vials? (soils only)		<input checked="" type="checkbox"/>	Trip Blank Custody Seals?:	<input checked="" type="checkbox"/>		

COMMENTS:

Appendix D – Recorded Environmental Restrictive Covenants

6/ MAIL
Antea



8 1 5 2 0 1 0
Tx:4094349

2019-30960
RECORDED AS PRESENTED ON
11/22/2019 10:37 AM
MARY BETH WISNIEWSKI
ST. JOSEPH COUNTY
RECORDER
PGS: 4 FEES: 26.00

Environmental Restrictive Covenant

THIS ENVIRONMENTAL RESTRICTIVE COVENANT ("Covenant") is made this 15 day of October, 2019, by MIKKA LLC at 51177 Bittersweet Road, Granger, IN 46530 (together with all successors and assignees, collectively ("Owner")).

WHEREAS: Owner is the fee owner of certain real estate in the County of St. Joseph, Indiana, which is located at 51177 Bittersweet Road, Granger, IN 46530 and more particularly described in the attached Exhibit "A" ("Real Estate"), which is hereby incorporated and made a part hereof. This Real Estate was acquired by deed on August 8, 2017, and recorded on August 17, 2017, as Deed Record 1722139, in the Office of the Recorder of St. Joseph County, Indiana. The Real Estate consists of approximately 1.54 acres and has also been identified by the county as parcel identification number[s] 71-05-18-126-014.000-011. The Environmental Restrictive Covenant Area, to which Restriction applies, is depicted on a map attached hereto as Exhibit B.

WHEREAS: Buckeye Terminals, LLC, Five TEK Park, 9999 Hamilton Boulevard, Breinigsville, PA 18031 entered into Indiana's Voluntary Remediation Program ("VRP") to address releases of hazardous substances and/or petroleum ("contaminants of concern") relating to the Real Estate. The Indiana Department of Environmental Management ("IDEM" or the "Department") assigned the project number 6150307. A remediation work plan was prepared in accordance with IC 13-25-5, which was approved by the Department on January 26, 2017.

WHEREAS: IDEM approved the remediation work plan, which allows certain contaminants of concern to remain in the groundwater, provided that certain land use restrictions are implemented to protect human health. The remaining contaminants of concern are listed in Exhibit C, which is attached hereto and incorporated herein.

WHEREAS: The remediation work plan and completion report are hereby incorporated by reference and may be examined at the offices of the Department, which is located in the Indiana Government Center North building at 100 N. Senate Avenue, Indianapolis, Indiana. The documents may also be viewed electronically in the Department's Virtual File Cabinet by accessing the Department's Web Site (currently www.in.gov/idem/).

NOW THEREFORE, MIKKA LLC subjects the Real Estate to the following restrictions and provisions, which shall be binding on the current Owner and all future Owners:

I. RESTRICTIONS

1. Restrictions. The Owner:

- (a) Shall not use or allow the use of the Real Estate for residential purposes, including, but not limited to, daily child care facilities or educational facilities for children (e.g., daycare centers or K-12 schools).
- (b) Shall not use or allow the use or extraction of groundwater at the Environmental Restrictive Covenant Area **within the area applicable to the environmental restrictive covenant as shown on the site map included in Exhibit B and defined by the coordinate table below** for any purpose, including, but not limited to: human or animal consumption, gardening, industrial processes, or agriculture, except that groundwater may be extracted in conjunction with environmental investigation and/or remediation activities.

GPS Coordinate Table

Latitude: 41.750956, Longitude: -86.113063

Latitude: 41.750958, Longitude: -86.112962

Latitude: 41.750661, Longitude: -86.112617

Latitude: 41.750665, Longitude: -86.113063

- (c) Shall prohibit any activity at the Real Estate that may interfere with the groundwater monitoring or well network.

II. GENERAL PROVISIONS

- 2. Restrictions to Run with the Land. The restrictions and other requirements described in this Covenant shall run with the land and be binding upon, and inure to the benefit of the Owner of the Real Estate and the Owner's successors, assignees, heirs and lessees and their authorized agents, employees, contractors, representatives, agents, lessees, licensees, invitees, guests, or persons acting under their direction or control (hereinafter "Related Parties") and shall continue as a servitude running in perpetuity with the Real Estate. No transfer, mortgage, lease, license, easement, or other conveyance of any interest in or right to occupancy in all or any part of the Real Estate by any person shall affect the restrictions set forth herein. This Covenant is imposed upon the entire Real Estate unless expressly stated as applicable only to a specific portion thereof.
- 3. Binding upon Future Owners. By taking title to an interest in or occupancy of the Real Estate, any subsequent Owner or Related Party agrees to comply with all of the restrictions set forth in paragraph 1 above and with all other terms of this Covenant.
- 4. Access for Department. The Owner shall grant to the Department and its designated representatives the right to enter upon the Real Estate at reasonable times for the purpose

of monitoring compliance with this Covenant and ensuring its protectiveness; this right includes the right to take samples and inspect records.

5. Written Notice of the Presence of Contamination. Owner agrees to include in any instrument conveying any interest in any portion of the Real Estate, including but not limited to deeds, leases and subleases (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances), the following notice provision (with blanks to be filled in):

NOTICE: THE INTEREST CONVEYED HEREBY IS SUBJECT TO AN ENVIRONMENTAL RESTRICTIVE COVENANT, DATED 10-15 2019 RECORDED IN THE OFFICE OF THE RECORDER OF ST. JOSEPH COUNTY ON 11-22, 2019, INSTRUMENT NUMBER (or other identifying reference) 2019-30960 IN FAVOR OF AND ENFORCEABLE BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

6. Notice to Department of the Conveyance of Property. Owner agrees to provide notice to the Department of any conveyance (voluntary or involuntary) of any ownership interest in the Real Estate (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances). Owner must provide the Department with the notice within thirty (30) days of the conveyance and: (a) include a certified copy of the instrument conveying any interest in any portion of the Real Estate; (b) if it has been recorded, its recording reference; and (c) the name and business address of the transferee.
7. Indiana Law. This Covenant shall be governed by, and shall be construed and enforced according to, the laws of the State of Indiana.

III. ENFORCEMENT

8. Enforcement. Pursuant to IC 13-14-2-6 and other applicable law, the Department may proceed in court by appropriate action to enforce this Covenant. Damages alone are insufficient to compensate IDEM if any owner of the Real Estate or its Related Parties breach this Covenant or otherwise default hereunder. As a result, if any owner of the Real Estate, or any owner's Related Parties, breach this Covenant or otherwise default hereunder, IDEM shall have the right to request specific performance and/or immediate injunctive relief to enforce this Covenant in addition to any other remedies it may have at law or at equity. Owner agrees that the provisions of this Covenant are enforceable and agrees not to challenge the provisions or the appropriate court's jurisdiction.

IV. TERM, MODIFICATION AND TERMINATION

9. Term. The restrictions shall apply until the Department determines that the contaminants of concern no longer present an unacceptable risk to the public health, safety, or welfare, or to the environment.

10. Modification and Termination. This Covenant shall not be amended, modified, or terminated without the Department's prior written approval. Within thirty (30) days of executing an amendment, modification, or termination of the Covenant, Owner shall record such amendment, modification, or termination with the Office of the Recorder of [St. Joseph](#) County and within thirty (30) days after recording, provide a true copy of the recorded amendment, modification, or termination to the Department.

V. MISCELLANEOUS

11. Waiver. No failure on the part of the Department at any time to require performance by any person of any term of this Covenant shall be taken or held to be a waiver of such term or in any way affect the Department's right to enforce such term, and no waiver on the part of the Department of any term hereof shall be taken or held to be a waiver of any other term hereof or the breach thereof.
12. Conflict of and Compliance with Laws. If any provision of this Covenant is also the subject of any law or regulation established by any federal, state, or local government, the strictest standard or requirement shall apply. Compliance with this Covenant does not relieve the Owner of its obligation to comply with any other applicable laws.
13. Change in Law, Policy or Regulation. In no event shall this Covenant be rendered unenforceable if Indiana's laws, regulations, guidance, or remediation policies (including those concerning environmental restrictive covenants, or institutional or engineering controls) change as to form or content. All statutory references include any successor provisions.
14. Notices. Any notice, demand, request, consent, approval or communication that either party desires or is required to give to the other pursuant to this Covenant shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Owner:

[MIKKA LLC](#)
[51177 Bittersweet Road](#)
[Granger, IN 46530](#)

To Department:

IDEM, Office of Land Quality
100 N. Senate Avenue
IGCN 1101
Indianapolis, IN 46204-2251
Attn: Institutional Controls Group

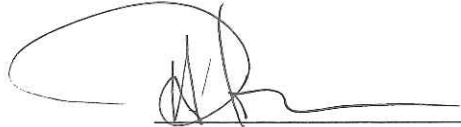
An Owner may change its address or the individual to whose attention a notice is to be sent

by giving written notice via certified mail.

15. Severability. If any portion of this Covenant or other term set forth herein is determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions or terms of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.
16. Authority to Execute and Record. The undersigned person executing this Covenant represents that he or she is the current fee Owner of the Real Estate or is the authorized representative of the Owner, and further represents and certifies that he or she is duly authorized and fully empowered to execute and record, or have recorded, this Covenant.

Owner hereby attests to the accuracy of the statements in this document and all attachments.

IN WITNESS WHEREOF, **MIKKA LLC**, the said Owner of the Real Estate described above has caused this Environmental Restrictive Covenant to be executed on this 15 day of OCTOBER, 2019.



MIKKA LLC

STATE OF Indiana)
) SS:
COUNTY OF St. Joseph)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared Mike Depositar, the president of the Owner, who acknowledged the execution of the foregoing instrument for and on behalf of said entity.

Witness my hand and Notarial Seal this 15 day of October, 2019.

[Signature]

_____, Notary Public

Residing in South Bend, IN County, St. Joseph

My Commission Expires: 02/14/2020

This instrument prepared by: KENDALL RANNAOJA
[insert name and address]

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law: KENDALL RANNAOJA
[insert name and address]

Antea Group
800 West 5th Avenue, Suite 210
Naperville, IL 60563



EXHIBIT A

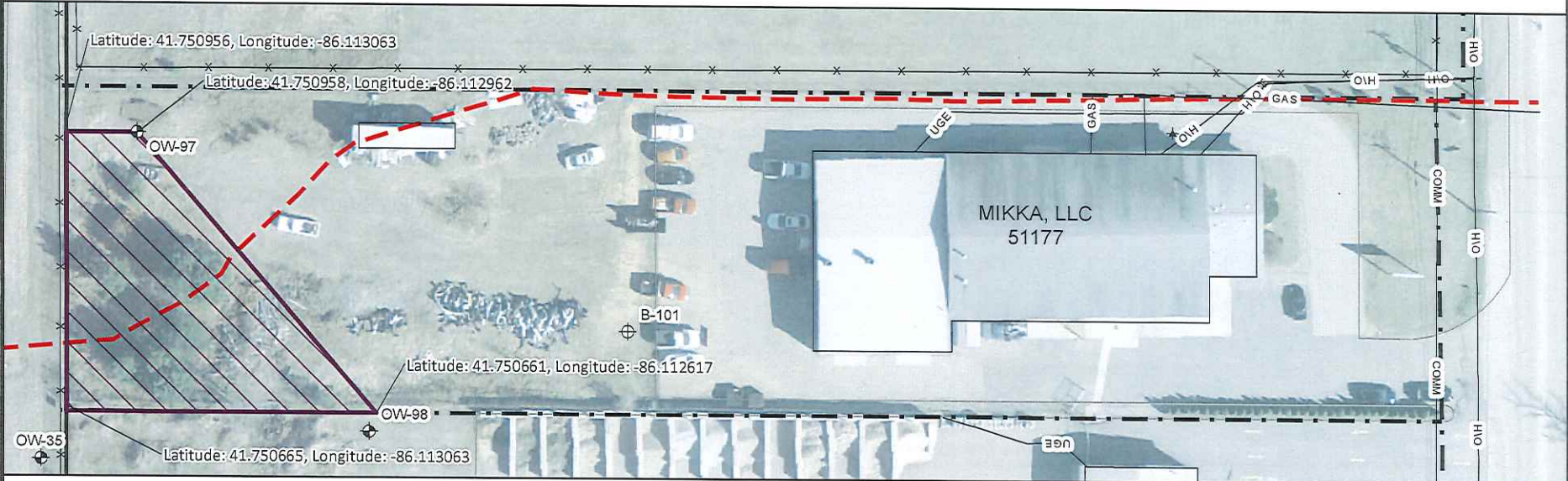
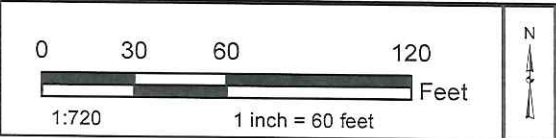
LEGAL DESCRIPTION OF REAL ESTATE

Legal Description

Lot Numbered One (1) as shown on the recorded Plat of Stats Development Bittersweet Road Minor Subdivision, recorded July 6, 1992 as Document Number 9224017 in the Office of the Recorder of St. Joseph County, Indiana.

EXHIBIT B

**SITE MAP SHOWING ENVIRONMENTAL RESTRICTIVE COVENANT AREA
WHERE LAND USE LIMITATIONS ARE IMPLEMENTED FOR RESTRICTION**



Legend

- Property Line
- BP Pipeline
- Fence
- GAS Gas Line
- OIH Overhead Utilities
- UGE Underground Electric Line
- COMM Underground Communication Line
- Utility Pole
- Observation Well - screened in upper medium-grained sand layer above 730.00' MSL
- Water Supply Well
- Soil Boring
- Environmental Restrictive Covenant Area

GPS Coordinate Table

- Latitude: 41.750956, Longitude: -86.113063
- Latitude: 41.750958, Longitude: -86.112962
- Latitude: 41.750661, Longitude: -86.112617
- Latitude: 41.750665, Longitude: -86.113063

This map is produced from GPS data and GIS data obtained from the Michiana Area Council of County Governments (MACOG) Geographic Information System Coordinates Listed in NAD 83.

Produced using ArcGIS 10.0 and EnviroSpace 2008



800 West 5th Avenue Phone - 800 477-7411
 Suite 210 Fax - 630 416-0725
 Naperville, IL 60563

MIKKA, LLC
 Environmental Restrictive Covenant Area
 51177 Bittersweet Road
 Granger, St. Joseph County, Indiana

Figure:
1

EXHIBIT C
REMAINING CONTAMINANTS OF CONCERN

Table 1
 BTEX and Naphthalene Groundwater Analytical Results
 Environmental Restrictive Covenant Area
 51177 Bittersweet Road, Granger, St. Joseph County, Indiana

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW35	9/13/2016	< 5.0	9.9	651	2030	262
OW35	11/7/2016	< 5.0	17.4	681	2700	405
OW35	3/7/2017	< 50.0	< 50.0	280	1430	204
OW35	6/14/2017	< 50.0	< 50.0	390	2290	267
OW35	8/16/2017	< 5.0	< 5.0	476	1930	304
OW35	11/7/2017	< 5.0	< 5.0	404	1590	277
OW35	3/15/2018	< 2.5	< 5.0	15.1	103	21.3
OW35	6/8/2018	< 2.5	< 5.0	275	2020	274
OW97	9/13/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW97	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW97	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW97	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW97	11/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW97	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW97	6/7/2018	< 2.5 R1	< 5.0 R1	< 5.0 R1	< 10.0 RS	1.9 R1
OW98	9/13/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW98	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW98	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW98	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW98	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW98	11/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW98	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW98	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7

1. Concentrations in bold confirmed to exceed one or more 2015 IDEM RCG Screening levels
 2. Concentrations were compared to the 2015 IDEM Tap and Vapor Exposure Screening Levels for industrial/commercial properties
 3. µg/l - micrograms/liter
- R1 - RPD value was outside control limits
 RS - The RPD value in one of the constituent analytes was outside the control limits

12/ MAIL
Rannaaja



8 1 9 3 5 7 3

Tx:4121608

2020-28719

RECORDED AS PRESENTED ON

09/24/2020 11:06 AM

MARY BETH WISNIEWSKI

ST. JOSEPH COUNTY

RECORDER

PGS: 12 FEES: 25.00

Environmental Restrictive Covenant

THIS ENVIRONMENTAL RESTRICTIVE COVENANT ("Covenant") is made this 10th day of December, 2019, by BP River Rouge Pipeline Company at 501 Westlake Park Boulevard, WL1, 2.52B, Houston, TX 77079 (together with all successors and assignees, collectively ("Owner")).

WHEREAS: Owner is the fee owner of certain real estate in the County of St. Joseph, Indiana, which is located at 12694 Adams Road, Granger, IN 46530 and more particularly described in the attached Exhibit "A" ("Real Estate"), which is hereby incorporated and made a part hereof. This Real Estate was acquired by deed on July 1, 2017, and recorded on July 18, 2017, as Deed Record 1718710, in the Office of the Recorder of St. Joseph County, Indiana. The Real Estate consists of approximately 0.88 acres and has also been identified by the county as parcel identification number 71-05-18-126-019.000-011. The Real Estate, to which this Covenant applies, is depicted on a map attached hereto as Exhibit B.

WHEREAS: Buckeye Terminals, LLC, Five TEK Park, 9999 Hamilton Boulevard, Breinigsville, PA 18031 entered into Indiana's Voluntary Remediation Program ("VRP") to address releases of hazardous substances and/or petroleum ("contaminants of concern") relating to the Real Estate. The Indiana Department of Environmental Management ("IDEM" or the "Department") assigned the project number 6150307. A remediation work plan was prepared in accordance with IC 13-25-5, which was approved by the Department on January 26, 2017.

WHEREAS: IDEM approved the remediation work plan, which allows certain contaminants of concern to remain in the groundwater, provided that certain land use restrictions are implemented to protect human health. The remaining contaminants of concern are listed in Exhibit C, which is attached hereto and incorporated herein.

WHEREAS: The remediation work plan and completion report are hereby incorporated by reference and may be examined at the offices of the Department, which is located in the Indiana Government Center North building at 100 N. Senate Avenue, Indianapolis, Indiana. The documents may also be viewed electronically in the Department's Virtual File Cabinet by accessing the Department's Web Site (currently www.in.gov/idem/).

NOW THEREFORE, BP River Rouge Pipeline Company subjects the Real Estate to the following restrictions and provisions, which shall be binding on the current Owner and all future Owners:

I. RESTRICTIONS

1. Restrictions. The Owner:
 - (a) Shall not use or allow the use of the Real Estate for residential purposes, including, but not limited to, daily child care facilities or educational facilities for children (e.g., daycare centers or K-12 schools).
 - (b) Shall not use or allow the use or extraction of groundwater at the Real Estate for any purpose, including, but not limited to: human or animal consumption, gardening, industrial processes, or agriculture, except that groundwater may be extracted in conjunction with environmental investigation and/or remediation activities.
 - (c) Shall prohibit any activity at the Real Estate that may interfere with the groundwater monitoring or well network.

II. GENERAL PROVISIONS

2. Restrictions to Run with the Land. The restrictions and other requirements described in this Covenant shall run with the land and be binding upon, and inure to the benefit of the Owner of the Real Estate and the Owner's successors, assignees, heirs and lessees and their authorized agents, employees, contractors, representatives, agents, lessees, licensees, invitees, guests, or persons acting under their direction or control (hereinafter "Related Parties") and shall continue as a servitude running in perpetuity with the Real Estate. No transfer, mortgage, lease, license, easement, or other conveyance of any interest in or right to occupancy in all or any part of the Real Estate by any person shall affect the restrictions set forth herein. This Covenant is imposed upon the entire Real Estate unless expressly stated as applicable only to a specific portion thereof.
3. Binding upon Future Owners. By taking title to an interest in or occupancy of the Real Estate, any subsequent Owner or Related Party agrees to comply with all of the restrictions set forth in paragraph 1 above and with all other terms of this Covenant.
4. Access for Department. The Owner shall grant to the Department and its designated representatives the right to enter upon the Real Estate at reasonable times for the purpose of monitoring compliance with this Covenant and ensuring its protectiveness; this right includes the right to take samples and inspect records.
5. Written Notice of the Presence of Contamination. Owner agrees to include in any instrument conveying any interest in any portion of the Real Estate, including but not limited to deeds, leases and subleases (excluding mortgages, liens, similar financing

interests, and other non-possessory encumbrances), the following notice provision (with blanks to be filled in):

NOTICE: THE INTEREST CONVEYED HEREBY IS SUBJECT TO AN ENVIRONMENTAL RESTRICTIVE COVENANT, DATED December 6th 2019 RECORDED IN THE OFFICE OF THE RECORDER OF ST. JOSEPH COUNTY ON September 24, 2020, INSTRUMENT NUMBER (or other identifying reference) 2020-28719 IN FAVOR OF AND ENFORCEABLE BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

6. Notice to Department of the Conveyance of Property. Owner agrees to provide notice to the Department of any conveyance (voluntary or involuntary) of any ownership interest in the Real Estate (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances). Owner must provide the Department with the notice within thirty (30) days of the conveyance and: (a) include a certified copy of the instrument conveying any interest in any portion of the Real Estate; (b) if it has been recorded, its recording reference; and (c) the name and business address of the transferee.
7. Indiana Law. This Covenant shall be governed by, and shall be construed and enforced according to, the laws of the State of Indiana.

III. ENFORCEMENT

8. Enforcement. Pursuant to IC 13-14-2-6 and other applicable law, the Department may proceed in court by appropriate action to enforce this Covenant. Damages alone are insufficient to compensate IDEM if any owner of the Real Estate or its Related Parties breach this Covenant or otherwise default hereunder. As a result, if any owner of the Real Estate, or any owner's Related Parties, breach this Covenant or otherwise default hereunder, IDEM shall have the right to request specific performance and/or immediate injunctive relief to enforce this Covenant in addition to any other remedies it may have at law or at equity. Owner agrees that the provisions of this Covenant are enforceable and agrees not to challenge the provisions or the appropriate court's jurisdiction.

IV. TERM, MODIFICATION AND TERMINATION

9. Term. The restrictions shall apply until the Department determines that the contaminants of concern no longer present an unacceptable risk to the public health, safety, or welfare, or to the environment.
10. Modification and Termination. This Covenant shall not be amended, modified, or terminated without the Department's prior written approval. Within thirty (30) days of executing an amendment, modification, or termination of the Covenant, Owner shall record

such amendment, modification, or termination with the Office of the Recorder of St. Joseph County and within thirty (30) days after recording, provide a true copy of the recorded amendment, modification, or termination to the Department.

V. MISCELLANEOUS

11. Waiver. No failure on the part of the Department at any time to require performance by any person of any term of this Covenant shall be taken or held to be a waiver of such term or in any way affect the Department's right to enforce such term, and no waiver on the part of the Department of any term hereof shall be taken or held to be a waiver of any other term hereof or the breach thereof.
12. Conflict of and Compliance with Laws. If any provision of this Covenant is also the subject of any law or regulation established by any federal, state, or local government, the strictest standard or requirement shall apply. Compliance with this Covenant does not relieve the Owner of its obligation to comply with any other applicable laws.
13. Change in Law, Policy or Regulation. In no event shall this Covenant be rendered unenforceable if Indiana's laws, regulations, guidance, or remediation policies (including those concerning environmental restrictive covenants, or institutional or engineering controls) change as to form or content. All statutory references include any successor provisions.
14. Notices. Any notice, demand, request, consent, approval or communication that either party desires or is required to give to the other pursuant to this Covenant shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Owner:
BP River Rouge Pipeline Company
501 Westlake Park Boulevard
WL1, 2.52B
Houston TX 77079


To Department:
IDEM, Office of Land Quality
100 N. Senate Avenue
IGCN 1101
Indianapolis, IN 46204-2251
Attn: Section Chief, Industrial Waste Compliance Section

An Owner may change its address or the individual to whose attention a notice is to be sent by giving written notice via certified mail.

15. Severability. If any portion of this Covenant or other term set forth herein is determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions or terms of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.
16. Authority to Execute and Record. The undersigned person executing this Covenant represents that he or she is the current fee Owner of the Real Estate or is the authorized representative of the Owner, and further represents and certifies that he or she is duly authorized and fully empowered to execute and record, or have recorded, this Covenant.

Owner hereby attests to the accuracy of the statements in this document and all attachments.

IN WITNESS WHEREOF, *BP River Rouge Pipeline Company*, the said Owner of the Real Estate described above has caused this Environmental Restrictive Covenant to be executed on this 6th day of December, 2019.

 ^{DMS}

Representative of BP River Rouge Pipeline Company

STATE OF Illinois)
) SS:
COUNTY OF COOK)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared Gerald J. Maret, the President of the Owner, BP River Rouge Pipeline Company who acknowledged the execution of the foregoing instrument for and on behalf of said entity.

Witness my hand and Notarial Seal this 6th day of December, 2019.



Lisa Krenz
Lisa Krenz, Notary Public

Residing in Kane County, Illinois

My Commission Expires: 05/04/22



This instrument prepared by:
Antea Group
800 West 5th Avenue, Suite 210
Naperville, IL 60563

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law:

Kendall Rannaaja
800 West 5th Avenue, Suite 210
Naperville, IL 60563

EXHIBIT A

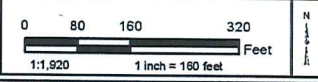
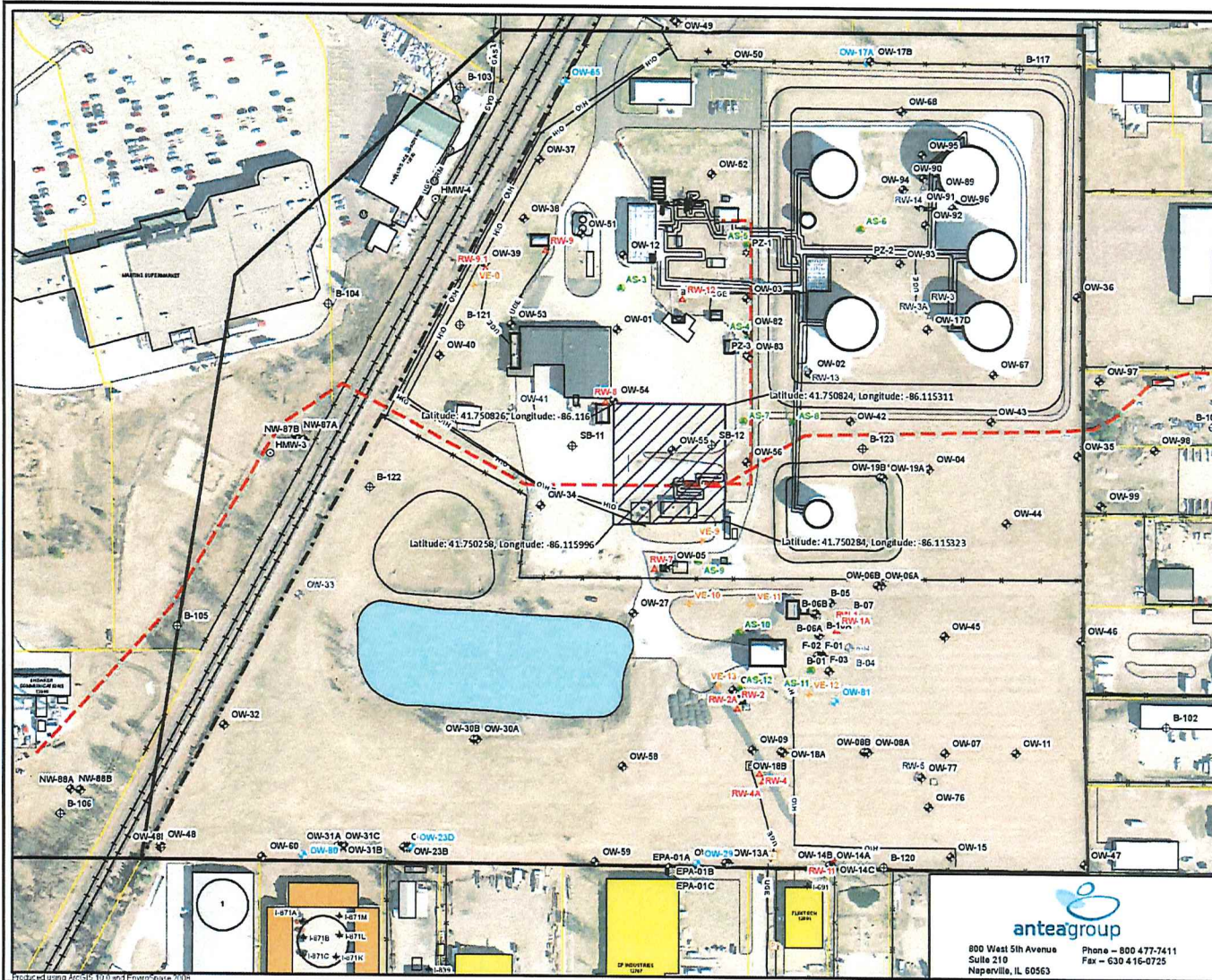
LEGAL DESCRIPTION OF REAL ESTATE

Legal Description

NE corn of NW 1/4 Sec 18-38-4e, W 1215', S 979.27' to POB. S 199.04', W 191.47', N 201.33, E 191.48' to POB 18/19 Split Doc#1718710 tr#15946 7/16/2017 from 006-1018-023702

EXHIBIT B

**SITE MAP SHOWING AREA OF REAL ESTATE WHERE LAND USE LIMITATIONS
ARE IMPLEMENTED**



- Legend**
- Property Line
 - Parcel Boundary
 - BP Pipeline
 - Above Ground Piping
 - Fence
 - GAS Gas Line
 - OH Overhead Utilities
 - STRM Storm Sewer Line
 - UGE Underground Electric Line
 - ⊠ Electrical Junction Box
 - ⊙ Manholes
 - ⊠ Electrical Pull Boxes
 - ⊙ Utility Pole
 - ⊙ Filtered Water Well
 - ⊙ Unfiltered Water Well
 - ⊙ Hooper Environmental Monitoring Wells
 - ⊙ Observation Well - screened in upper medium-grained sand layer above 730' MSL
 - ⊙ Recovery Well - screened in upper medium-grained sand layer above 730' MSL
 - ⊙ Observation Well - screened in the lower coarse-grained sand layer below 730' MSL
 - ⊙ Decommissioned Observation Well
 - ⊙ Decommissioned Recovery Well
 - ⊙ Water Supply Well
 - ⊙ Soil Vapor Extraction Well
 - ⊙ Piezometer
 - ⊙ Soil Boring
 - ⊙ Air Squeeze Well
 - ▨ Environmental Restrictive Covenant Area

This map is produced from GPS data and GIS data obtained from the Michiana Area Council of County Governments (MACCG) Geographic Information System



800 West 5th Avenue
 Suite 210
 Naperville, IL 60563
 Phone - 800 477-7411
 Fax - 630 416-0725

BP River Rouge Pipeline Company, LLC
 Oranger Terminal Facility
Environmental Restrictive Covenant Area
 12094 Adams Road
 Granters, St. Joseph County, Indiana
 Figure **1**

Revised map 10/24/14 and 10/24/15

File Name: C:\piper\2014\102414\102415\102415.rvt Date: 10/24/15

EXHIBIT C

REMAINING CONTAMINANTS OF CONCERN

Table 1
 BTEX and Naphthalene Groundwater Analytical Results
 Environmental Restrictive Covenant Area
 12694 Adams Road, St. Joseph County, Granger, Indiana 46530

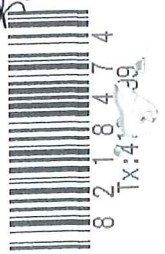
Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
RW7	9/1/2015	< 5.0	< 5.0	447	1130	83.8
RW7	11/9/2015	< 5.0	< 5.0	330	648	75.3
RW7	3/14/2016	< 5.0	< 5.0	353	275	13.6
RW7	6/28/2016	< 5.0	< 5.0	93.7	83.8	6.5
RW7	9/13/2016	< 5.0	< 5.0	159	497	30
RW7	11/7/2016	< 5.0	< 5.0	481	942	97.1
RW7	3/7/2017	< 50.0	< 50.0	578	1180	110
RW7	6/13/2017	< 5.0	< 5.0	341	654	100
RW8	9/1/2015	< 5.0	< 5.0	48.3	116	12.3
RW8	11/9/2015	< 5.0	< 5.0	49	90.5	11.8
RW8	3/14/2016	< 5.0	< 5.0	34.1	73.1	8.8
RW8	6/28/2016	< 5.0	< 5.0	43.3	92.7	9.7
RW8	9/13/2016	< 5.0	< 5.0	29.5	58.2	8.7
RW8	11/7/2016	< 5.0	< 5.0	42.6	114	15.8
RW8	3/7/2017	< 5.0	< 5.0	44.2	102	12.6
RW8	6/13/2017	< 5.0	< 5.0	34.8	78.4	13.3

1. Concentrations in bold confirmed to exceed one or more 2015 IDEM RCG Screening levels.

2. Concentrations were compared to the 2015 IDEM Tap and Vapor Exposure Screening Levels for industrial/commercial properties.

3. µg/l - micrograms/liter

Mail
Parma



2020-36400
RECORDED AS PRESENTED ON
11/20/2020 11:01 AM
MARY BETH WISNIEWSKI
ST. JOSEPH COUNTY
RECORDER
PGS: 21 FEES: 25.00

Environmental Restrictive Covenant

THIS ENVIRONMENTAL RESTRICTIVE COVENANT ("Covenant") is made this 17th day of November, 2020, by Buckeye Terminals, LLC Five TEK Park, 9999 Hamilton Boulevard, Breinigsville, PA 18031 (together with all successors and assignees, collectively ("Owner")) .

WHEREAS: Owner is the fee owner of certain real estate in the County of St. Joseph, Indiana, which is located at 12694 Adams Road, Granger, IN 46530 and more particularly described in the attached Exhibit "A" ("Real Estate"), which is hereby incorporated and made a part hereof. This Real Estate was acquired by deed on June 1, 2011, and recorded on February 27, 2012, as Deed Record 1205287, in the Office of the Recorder of St. Joseph County, Indiana. The Real Estate consists of approximately 40.89 acres and has also been identified by the county as parcel identification number 71-05-18-126-012.000-011. The Environmental Restrictive Covenant Area, to which Restriction applies, is depicted on a map attached hereto as Exhibit B.

WHEREAS: Buckeye Terminals, LLC entered into Indiana's Voluntary Remediation Program ("VRP") to address releases of hazardous substances and/or petroleum ("contaminants of concern") relating to the Real Estate. The Indiana Department of Environmental Management ("IDEM" or the "Department") assigned the project number 6150307. A remediation work plan was prepared in accordance with IC 13-25-5, which was approved by the Department on January 26, 2017.

WHEREAS: IDEM approved the remediation work plan, which allows certain contaminants of concern to remain in the groundwater, provided that certain land use restrictions are implemented to protect human health. The remaining contaminants of concern are listed in Exhibit C, which is attached hereto and incorporated herein.

WHEREAS: The remediation work plan and completion report are hereby incorporated by reference and may be examined at the offices of the Department, which is located in the Indiana Government Center North building at 100 N. Senate Avenue, Indianapolis, Indiana. The documents may also be viewed electronically in the Department's Virtual File Cabinet by accessing the Department's Web Site (currently www.in.gov/idem/).

NOW THEREFORE, Buckeye Terminals, LLC subjects the Real Estate to the following restrictions and provisions, which shall be binding on the current Owner and all future Owners:

I. RESTRICTIONS

1. Restrictions. The Owner:

- (a) Shall not use or allow the use of the Real Estate for residential purposes, including, but not limited to, daily child care facilities or educational facilities for children (e.g., daycare centers or K-12 schools).
- (b) Shall not use or allow the use or extraction of groundwater at the Environmental Restrictive Covenant Area **within the area applicable to the environmental restrictive covenant as shown on the site map included in Exhibit B and defined by the coordinate table below** for any purpose, including, but not limited to: human or animal consumption, gardening, industrial processes, or agriculture, except that groundwater may be extracted in conjunction with environmental investigation and/or remediation activities.

GPS Coordinate Table

Latitude: 41.752308, Longitude: -86.116368
Latitude: 41.752151, Longitude: -86.113094
Latitude: 41.748665, Longitude: -86.113032
Latitude: 41.748687, Longitude: -86.116112
Latitude: 41.749135, Longitude: -86.115953
Latitude: 41.749252, Longitude: -86.116887
Latitude: 41.749314, Longitude: -86.118511

- (c) Shall prohibit any activity at the Real Estate that may interfere with the groundwater monitoring or well network.

II. GENERAL PROVISIONS

- 2. Restrictions to Run with the Land. The restrictions and other requirements described in this Covenant shall run with the land and be binding upon, and inure to the benefit of the Owner of the Real Estate and the Owner's successors, assignees, heirs and lessees and their authorized agents, employees, contractors, representatives, agents, lessees, licensees, invitees, guests, or persons acting under their direction or control (hereinafter "Related Parties") and shall continue as a servitude running in perpetuity with the Real Estate. No transfer, mortgage, lease, license, easement, or other conveyance of any interest in or right to occupancy in all or any part of the Real Estate by any person shall affect the restrictions set forth herein. This Covenant is imposed upon the entire Real Estate unless expressly stated as applicable only to a specific portion thereof.

3. Binding upon Future Owners. By taking title to an interest in or occupancy of the Real Estate, any subsequent Owner or Related Party agrees to comply with all of the restrictions set forth in paragraph 1 above and with all other terms of this Covenant.
4. Access for Department. The Owner shall grant to the Department and its designated representatives the right to enter upon the Real Estate at reasonable times for the purpose of monitoring compliance with this Covenant and ensuring its protectiveness; this right includes the right to take samples and inspect records.
5. Written Notice of the Presence of Contamination. Owner agrees to include in any instrument conveying any interest in any portion of the Real Estate, including but not limited to deeds, leases and subleases (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances), the following notice provision (with blanks to be filled in):

NOTICE: THE INTEREST CONVEYED HEREBY IS SUBJECT TO AN ENVIRONMENTAL RESTRICTIVE COVENANT, DATED _____ 20__, RECORDED IN THE OFFICE OF THE RECORDER OF ST. JOSEPH COUNTY ON _____, 20__, INSTRUMENT NUMBER (or other identifying reference) _____ IN FAVOR OF AND ENFORCEABLE BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

6. Notice to Department of the Conveyance of Property. Owner agrees to provide notice to the Department of any conveyance (voluntary or involuntary) of any ownership interest in the Real Estate (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances). Owner must provide the Department with the notice within thirty (30) days of the conveyance and: (a) include a certified copy of the instrument conveying any interest in any portion of the Real Estate; (b) if it has been recorded, its recording reference; and (c) the name and business address of the transferee.
7. Indiana Law. This Covenant shall be governed by, and shall be construed and enforced according to, the laws of the State of Indiana.

III. ENFORCEMENT

8. Enforcement. Pursuant to IC 13-14-2-6 and other applicable law, the Department may proceed in court by appropriate action to enforce this Covenant. Damages alone are insufficient to compensate IDEM if any owner of the Real Estate or its Related Parties breach this Covenant or otherwise default hereunder. As a result, if any owner of the Real Estate, or any owner's Related Parties, breach this Covenant or otherwise default hereunder, IDEM shall have the right to request specific performance and/or immediate injunctive relief to enforce this Covenant in addition to any other remedies it may have at law or at equity. Owner agrees that the provisions of this Covenant are enforceable and agrees not to challenge the provisions or the appropriate court's jurisdiction.

IV. TERM, MODIFICATION AND TERMINATION

9. Term. The restrictions shall apply until the Department determines that the contaminants of concern no longer present an unacceptable risk to the public health, safety, or welfare, or to the environment.
10. Modification and Termination. This Covenant shall not be amended, modified, or terminated without the Department's prior written approval. Within thirty (30) days of executing an amendment, modification, or termination of the Covenant, Owner shall record such amendment, modification, or termination with the Office of the Recorder of [St. Joseph County](#) and within thirty (30) days after recording, provide a true copy of the recorded amendment, modification, or termination to the Department.

V. MISCELLANEOUS

11. Waiver. No failure on the part of the Department at any time to require performance by any person of any term of this Covenant shall be taken or held to be a waiver of such term or in any way affect the Department's right to enforce such term, and no waiver on the part of the Department of any term hereof shall be taken or held to be a waiver of any other term hereof or the breach thereof.
12. Conflict of and Compliance with Laws. If any provision of this Covenant is also the subject of any law or regulation established by any federal, state, or local government, the strictest standard or requirement shall apply. Compliance with this Covenant does not relieve the Owner of its obligation to comply with any other applicable laws.
13. Change in Law, Policy or Regulation. In no event shall this Covenant be rendered unenforceable if Indiana's laws, regulations, guidance, or remediation policies (including those concerning environmental restrictive covenants, or institutional or engineering controls) change as to form or content. All statutory references include any successor provisions.
14. Notices. Any notice, demand, request, consent, approval or communication that either party desires or is required to give to the other pursuant to this Covenant shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Owner:
[Buckeye Terminals, LLC](#)
[Five TEK Park](#)
[9999 Hamilton Boulevard](#)
[Breinigsville, PA 18031](#)

To Department:
IDEM, Office of Land Quality
100 N. Senate Avenue
IGCN 1101
Indianapolis, IN 46204-2251
Attn: Section Chief, Industrial Waste Compliance Section

An Owner may change its address or the individual to whose attention a notice is to be sent by giving written notice via certified mail.

15. Severability. If any portion of this Covenant or other term set forth herein is determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions or terms of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.
16. Authority to Execute and Record. The undersigned person executing this Covenant represents that he or she is the current fee Owner of the Real Estate or is the authorized representative of the Owner, and further represents and certifies that he or she is duly authorized and fully empowered to execute and record, or have recorded, this Covenant.

Owner hereby attests to the accuracy of the statements in this document and all attachments.

IN WITNESS WHEREOF, *Buckeye Terminals, LLC*, the said Owner of the Real Estate described above has caused this Environmental Restrictive Covenant to be executed on this 17th day of November, 2020.


Representative for Buckeye Terminals, LLC

STATE OF Pennsylvania)
) SS:
COUNTY OF Lehigh)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared Katherine S. Zeth, the Dir., Environ. Compliance of the Owner, who acknowledged the execution of the foregoing instrument for and on behalf of said entity.

Witness my hand and Notarial Seal this 17th day of November, 2020.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Robin L. Billger, Notary Public
Upper Macungie Twp., Lehigh County
My Commission Expires Aug. 4, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Robin L. Billger
_____, Notary Public
Residing in Lehigh County, PA.

My Commission Expires: 8-4-2021

This instrument prepared by:
Antea Group
800 West 5th Avenue, Suite 210
Naperville, IL 60563

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law:

Kendall Rannaaja
800 West 5th Avenue, Suite 210
Naperville, IL 60563

EXHIBIT A

LEGAL DESCRIPTION OF REAL ESTATE

SD
me

CB/SD

transfer 1326
Taxing Unit Harris
date 2-27-12

1205288
RECORDED AS PRESENTED ON
02/27/2012 10:09:43AM
PHILLIP G. DOTSON
ST. JOSEPH COUNTY
RECORDER
REC FEE: \$25.00
PAGES: 5

QUITCLAIM DEED
South Bend Terminal

Lawyers Title

THIS INDENTURE WITNESSETH, that BP PRODUCTS NORTH AMERICA INC., a Maryland Corporation, successor by name changes to The American Oil Company, a Maryland Corporation, with offices at 501 Westlake Park Boulevard, Houston, Texas 77079 ("Grantor"), QUITCLAIMS to BUCKEYE TERMINALS, LLC, a Delaware limited liability company, with offices at 5 Tek Park, 9999 Hamilton Boulevard, Breinigsville, PA 18031 ("Grantee"; the words "Grantor" and "Grantee" to include their respective heirs, legal representatives, successors and assigns where the context requires or permits), for the sum of Ten Dollars (\$10.00) and other valuable consideration, the receipt of which is hereby acknowledged, all right, title, interest, claim and demand in the following described real estate, and the improvements thereon ("Real Estate"), in St. Joseph County, in the State of Indiana:

The legal description of the Real Estate is set forth on Exhibit A attached hereto, which is incorporated herein and made a part hereof by this reference.

TOGETHER with all right, title and interest, if any, of the Grantor in and to any streets and roads abutting the above described Real Estate to the center lines thereof;

TOGETHER with the appurtenances and all the estate and rights of the Grantor in and to said Real Estate;

To HAVE AND TO HOLD the said described Real Estate to Grantee, so that neither Grantor nor any person or persons claiming under Grantors shall at any time, by any means or ways, have, claim or demand any right or title to the Real Estate, or any rights thereof.

This conveyance is made subject to all easements, reservations, restrictions and covenants of record affecting the Real Estate, to the extent valid, subsisting and enforceable.

The undersigned person executing this Deed on behalf of Grantor represents and certifies that Grantor has full capacity and authority to convey the Real Estate described herein; and that all necessary action to authorize the making of such conveyance has been taken and done.

DULY ENTERED FOR TAXATION
PETER H. MULLEN
ST. JOSEPH CO. INDIANA

5

COUNTY OF ST. JOSEPH, INDIANA
I hereby certify that this a true
and complete copy of the 5 page
document on file in this Office.
Date: 02-13-12
Phillip G. Dotson, County Recorder
BY: *[Signature]*
Deputy Recorder
This Certification Stamp Replaces
Our Previous Certification System.
Effective 1-1-02



IN WITNESS WHEREOF, Grantor has caused this Deed to be executed on the date of the acknowledgment set forth below, to be effective, however, as of June 1, 2011.

GRANTOR:
BP PRODUCTS NORTH AMERICA INC.

By Patrick H. McGrath
Name: PATRICK H. MCGRATH
Title: ATTORNEY-IN-FACT

#1205287

STATE OF ILLINOIS)
) SS:
COUNTY OF DUPAGE)

Before me, a Notary Public in and for said County and State, personally appeared Patrick H. McGrath, known to me to be the Attorney-In-Fact of BP Products North America Inc., who acknowledged the execution of the foregoing instrument for and on behalf of said corporation, and who, having been first duly sworn, stated that the representations contained therein are true.

WITNESS my hand and notarial seal this 25th day of May, 2011.

Lisa Krenz
(Notary Public)

My Commission Expires:

5/4/2014



Printed: LISA KRENZ
Residing in DuPage County, IL

Grantee's address is and tax bills should be sent to: 5 Tek Park, 9999 Hamilton Boulevard, Breinigsville, PA 18031.

THIS INSTRUMENT PREPARED BY AND MAIL AFTER RECORDING TO Donna Simpson
Buckeye Terminals, LLC
5 Tek Park, 9999 Hamilton Boulevard
Breinigsville, PA 18031

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law:

Donna M. Simpson, Esq.

IN WITNESS WHEREOF, Grantor has caused this Deed to be executed on the date of the acknowledgment set forth below, to be effective, however, as of _____, 2011.

GRANTOR:
BP PRODUCTS NORTH AMERICA INC.

By _____
Name: PATRICK H. MCGRATH
Title: ATTORNEY-IN-FACT

STATE OF ILLINOIS)
) SS:
COUNTY OF DUPAGE)

Before me, a Notary Public in and for said County and State, personally appeared Patrick H. McGrath, known to me to be the Attorney-In-Fact of BP Products North America Inc., who acknowledged the execution of the foregoing instrument for and on behalf of said corporation, and who, having been first duly sworn, stated that the representations contained therein are true.

WITNESS my hand and notarial seal this ____ day of _____, 2011.

My Commission Expires:

5/4/2014

(Notary Public)

Printed: LISA KRENZ
Residing in DuPage County, IL

Grantee's address is and tax bills should be sent to: 5 Tek Park, 9999 Hamilton Boulevard, Breinigsville, PA 18031.

THIS INSTRUMENT PREPARED BY AND MAIL AFTER RECORDING TO: Donna Simpson
Buckeye Terminals, LLC
5 Tek Park, 9999 Hamilton Boulevard
Breinigsville, PA 18031

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law:

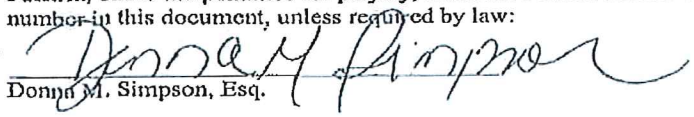

Donna M. Simpson, Esq.

EXHIBIT A - LEGAL DESCRIPTION

South Bond Terminal
12694 Adams Road
Granger, IN 46530
St. Joseph County

Tract I:

Beginning at a point on the South line of the Edwardsburg Highway (Indiana State Route #23) which point is located 1130.58 feet West of and 25 feet South of the Northeast corner of the Northwest Quarter of Section 18, Township 38 North, Range 4 East; thence running South 28 degrees 6 minutes West, a distance of 350.11 feet; thence South 30 degrees 57 minutes East, a distance of 35 feet; thence North 28 degrees 14 minutes and 20 seconds East, a distance of 384.60 feet to the South line of the Edwardsburg Highway, (State Route #23); thence due West along said South line of the Edwardsburg Highway, (State Route #23); thence due West along South line of Edwardsburg Highway, a distance of 35 feet to the place of beginning.

TRACT II

A TRACT OF LAND IN THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 38 NORTH, RANGE 4 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SOUTH LINE OF EDWARDSBURG HIGHWAY (INDIANA STATE ROUTE NO. 23) WHICH POINT IS 1130.58 FEET WEST OF AND 25 FEET SOUTH OF THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 38 NORTH, RANGE 4 EAST; THENCE SOUTH 28° 06' WEST, A DISTANCE OF 350.11 FEET; THENCE SOUTH 30° 57' EAST, A DISTANCE OF 77.14 FEET; THENCE DUE EAST PARALLEL TO AND 400 FEET SOUTH OF THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 18, A DISTANCE OF 688.63 FEET; THENCE SOUTH 00° 38' EAST, A DISTANCE OF 1374.92 FEET; THENCE DUE WEST, A DISTANCE OF 1612.90 FEET TO A POINT ON THE EASTERLY LINE OF THE RIGHT-OF-WAY OF THE GRAND TRUNK WESTERN RAILWAY; THENCE NORTH 28° 06" EAST ALONG THE EASTERLY LINE OF THE RIGHT-OF-WAY OF THE GRAND TRUNK WESTERN RAILWAY, A DISTANCE OF 1983.66 FEET TO A POINT ON THE SOUTH LINE OF THE EDWARDSBURG HIGHWAY (INDIANA STATE ROUTE NO. 23); THENCE DUE EAST ALONG THE SOUTH LINE OF THE EDWARDSBURG HIGHWAY (INDIANA STATE ROUTE NO. 23), A DISTANCE OF 100 FEET BACK TO THE POINT OF BEGINNING.
SUBJECT TO THAT PORTION OF REAL ESTATE DEEDED TO THE STATE OF INDIANA BY DEED DATED OCTOBER 16, 1950.

Less and except:

A TRACT OF LAND IN THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 38 NORTH, RANGE 4 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A POINT ON THE SOUTH LINE OF EDWARDSBURG HIGHWAY (INDIANA STATE ROUTE NO. 23) WHICH POINT IS 1130.58 FEET WEST OF AND 25 FEET SOUTH OF THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 38 NORTH, RANGE 4 EAST; THENCE SOUTH 28° 06' WEST, A DISTANCE OF 350.11 FEET; THENCE SOUTH 30° 57' EAST, A DISTANCE OF 77.14 FEET; THENCE DUE EAST PARALLEL TO AND 400 FEET SOUTH OF THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 18, A DISTANCE OF 108.07 FEET; THENCE SOUTH 00° 38' EAST, A DISTANCE OF 686.94 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE CONTINUING SOUTH 00° 38' EAST, A DISTANCE OF 199.04 FEET TO AN EXISTING EAST-WEST CHAIN LINK FENCE; THENCE ALONG SAID FENCE SOUTH 69° 18' 55" WEST A DISTANCE OF 191.47 FEET; THENCE NORTH 00° 38' WEST, A DISTANCE OF 201.33 FEET; THENCE DUE EAST, A DISTANCE OF 191.48 FEET BACK TO THE POINT OF BEGINNING OF THIS DESCRIPTION.
CONTAINING 33,330.05 SQ FEET OR .88 ACRES.

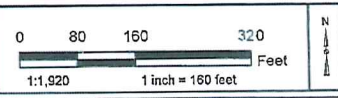
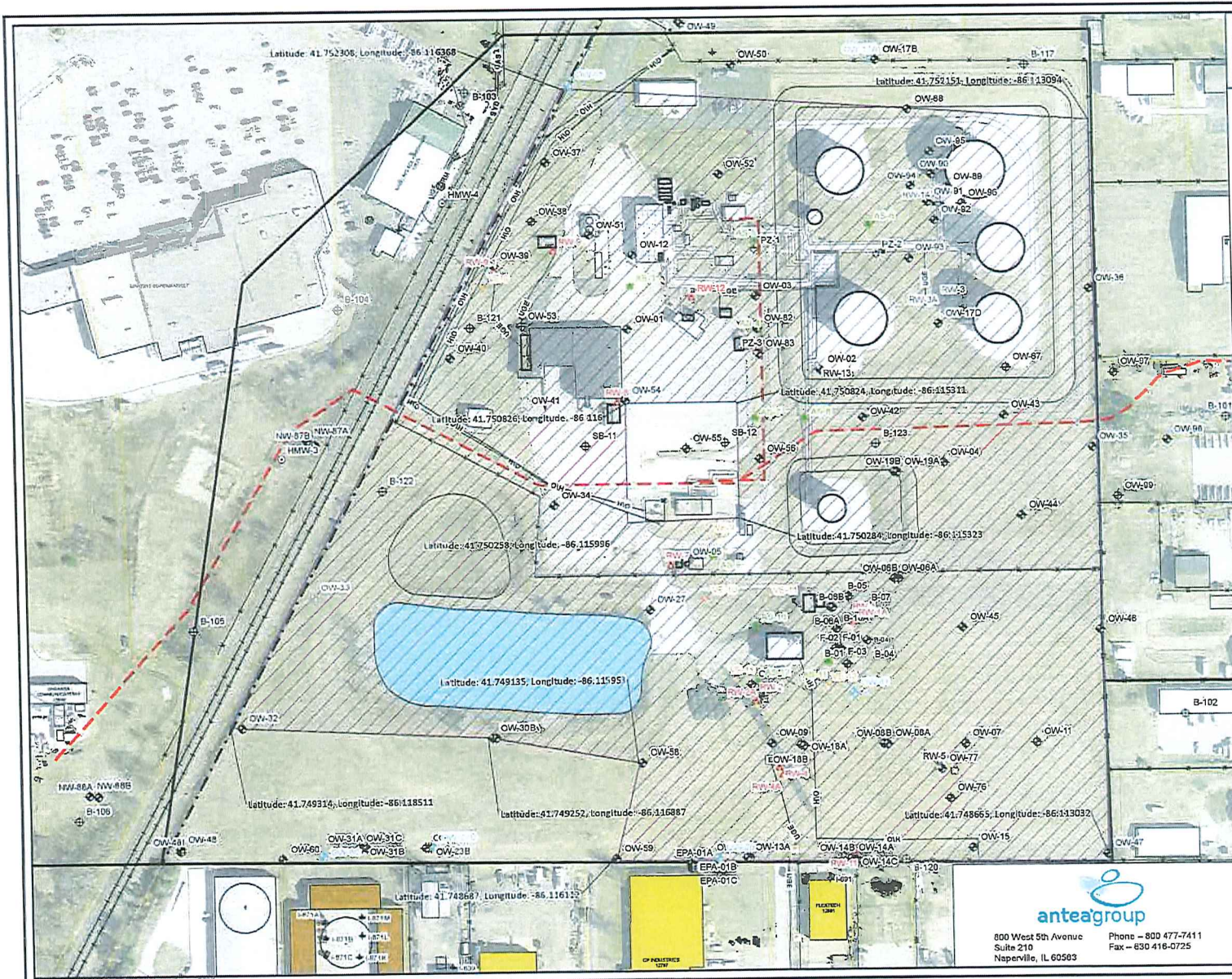
Traet III:

Part of the Northwest Quarter of Section 18, Township 38 North, Range 4 East, more particularly described as follows:

Commencing at the Northeast corner of the Northwest Quarter of said Section 18; thence 571.60 feet West along the North line of said Northwest Quarter; thence South 0 degrees 38 minutes East 350 feet to the point of beginning; thence due West, parallel with the North line of said Section, 701.38 feet to the East line of land now owned by The American Oil Company; thence South 28 degrees 6 minutes West, 16.68 feet along the Easterly line of The American Oil Company property; thence South 30 degrees 57 minutes East, 41.14 feet along the Easterly line of The American Oil Company property to the North line of The American Oil Company property, which is 400 feet Southerly and parallel to the North line of said Section 18; thence due East 688.63 feet along the North line of The American Oil Company property to the East line of The American Oil Company property; thence North 0 degrees 38 minutes West 50 feet to the point of beginning.

EXHIBIT B

**SITE MAP SHOWING ENVIRONMENTAL RESTRICTIVE COVENANT AREA
WHERE LAND USE LIMITATIONS ARE IMPLEMENTED FOR RESTRICTION**



- Legend**
- Property Line
 - - - Parcel Boundary
 - - - BP Pipeline
 - Above Ground Piping
 - X — Fence
 - GAS Gas Line
 - OH- Overhead Utilities
 - SSM Slow Sewer Line
 - UBE Underground Electric Line
 - ⊠ Electrical Junction Box
 - ⊙ Manholes
 - ⊞ Electrical Pull Boxes
 - ⊕ Utility Pole
 - Filtered Water Well
 - Unfiltered Water Well
 - ⊙ Hooper Environmental Monitoring Wells
 - ⊕ Observation Well - screened in upper medium-grained sand layer above 730.00' MSL
 - ⊕ Recovery Well - screened in upper medium-grained sand layer above 730.00' MSL
 - ⊕ Observation Well - screened in the lower coarse-grained sand layer below 730.00' MSL
 - ⊕ Decommissioned Observation Well
 - ⊕ Decommissioned Recovery Well
 - ⊕ Water Supply Well
 - ⊕ Soil Vapor Extraction Well
 - ⊕ Piezometer
 - ⊕ Soil Boring
 - ⊕ Air Sparge Well
 - ▨ Environmental Restrictive Covenant Area

This map is produced from GPS data and GIS data obtained from the Michiana Area Council of County Governments (MACOG) Geographic Information System

GPS Coordinate Table

Latitude: 41.752308, Longitude: -86.116368
Latitude: 41.752151, Longitude: -86.113094
Latitude: 41.748665, Longitude: -86.113032
Latitude: 41.748687, Longitude: -86.116112
Latitude: 41.749135, Longitude: -86.115953
Latitude: 41.749252, Longitude: -86.116887
Latitude: 41.749314, Longitude: -86.118511

anteagroup
 800 West 5th Avenue
 Suite 210
 Naperville, IL 60563
 Phone - 800 477-7411
 Fax - 630 418-0725

Buckeye Terminals, LLC
 Granger Terminal Facility
 Environmental Restrictive Covenant Area
 1
 12684 Adams Road
 Granger, St. Joseph County, Indiana
 47524-1000

EXHIBIT C

REMAINING CONTAMINANTS OF CONCERN

Table 1
 BTEX and Naphthalene Groundwater Analytical Results
 Environmental Restrictive Covenant Area
 12694 Adams Road, St. Joseph County, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW08B	9/12/2016	55.0	< 50.0	2660	3640	451
OW08B	11/7/2016	60.5	< 50.0	2040	3060	382
OW08B	3/7/2017	65.9	< 50.0	2120	2350	358
OW08B	6/13/2017	< 50.0	< 50.0	491	872	104
OW08B	8/16/2017	< 5.0	< 5.0	296	942	115
OW08B	11/7/2017	40.2 J	< 50.0	1570	2480	278
OW08B	3/15/2018	< 2.5	< 5.0	130	232	56.5
OW08B	6/8/2018	< 2.5	< 5.0	12.0	76.4	19.7
OW09	9/12/2016	< 5.0	< 5.0	155	56.2	6.5
OW09	11/7/2016	< 5.0	< 5.0	42.7	51.5	12.3
OW09	3/7/2017	< 5.0	< 5.0	257	294	26.9
OW09	6/13/2017	< 5.0	< 5.0	11.6	< 10.0	< 1.7
OW09	8/16/2017	< 5.0	< 5.0	11.3	14.9	2.9
OW09	11/7/2017	< 5.0	< 5.0	72.2	69.5	19.7
OW09	3/15/2018	< 2.5	< 5.0	< 5.0	28.1	6.8
OW09	6/8/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW11	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW11	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW13B	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW14C	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW15	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7

Table 1
BTEX and Naphthalene Groundwater Analytical Results
Environmental Restrictive Covenant Area
12694 Adams Road, St. Joseph County, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW15	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW15	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW15	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW15	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW15	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW15	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW15	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW17D	9/12/2016	< 50.0	< 50.0	1020	3170	426
OW17D	11/8/2016	< 50.0	< 50.0	606	2270	281
OW17D	3/8/2017	< 50.0	< 50.0	645	1900	285
OW17D	6/15/2017	< 5.0	< 5.0	< 5.0	432	3.4
OW17D	8/17/2017	< 5.0	< 5.0	83.6	543	56.6
OW17D	11/8/2017	< 5.0	11.9	585	1870	251
OW17D	3/16/2018	< 25.0	< 50.0	< 50.0	2210	226
OW17D	6/7/2018	< 2.5	10.8	196	2460	299
OW23A	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW23A	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW35	9/13/2016	< 5.0	9.9	651	2030	262
OW35	11/7/2016	< 5.0	17.4	681	2700	405
OW35	3/7/2017	< 50.0	< 50.0	280	1430	204
OW35	6/14/2017	< 50.0	< 50.0	390	2290	267
OW35	8/16/2017	< 5.0	< 5.0	476	1930	304
OW35	11/7/2017	< 5.0	< 5.0	404	1590	277
OW35	3/15/2018	< 2.5	< 5.0	15.1	103	21.3
OW35	6/8/2018	< 2.5	< 5.0	275	2020	274
OW36	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW36	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW36	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW36	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7

Table 1
BTEX and Naphthalene Groundwater Analytical Results
Environmental Restrictive Covenant Area
12694 Adams Road, St. Joseph County, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW36	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW36	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW36	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW36	6/8/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW37	9/13/2016	< 25.0	< 25.0	205	922	48.9
OW37	11/7/2016	< 5.0	< 5.0	115	635	48.9
OW37	3/8/2017	< 5.0	< 5.0	34.2	402	12.0
OW37	6/14/2017	< 5.0	< 5.0	< 5.0	315	4.4
OW37	8/17/2017	< 5.0	< 5.0	13.4	68.5	6.5
OW37	11/7/2017	< 5.0	< 5.0	299	1460	115
OW37	3/16/2018	< 2.5	< 5.0	< 5.0	38.4	< 1.7
OW37	6/7/2018	< 2.5	< 5.0	< 5.0	385	9.8
OW38	9/13/2016	< 25.0	< 25.0	937	3640	207
OW38	11/7/2016	< 25.0	< 25.0	510	2330	127
OW38	3/8/2017	< 5.0	< 5.0	< 5.0	16.8	< 1.7
OW38	6/14/2017	< 5.0	< 5.0	63.5	1380	91.3
OW38	8/17/2017	< 5.0	< 5.0	120	494	38.2
OW38	11/7/2017	< 5.0	< 5.0	226	1150	80.4
OW38	3/16/2018	< 2.5	< 5.0	< 5.0	1000	59.0
OW38	6/7/2018	< 2.5	< 5.0	69.9	597	54.8
OW39	9/13/2016	< 5.0	< 5.0	10.4	136	36.7
OW39	11/7/2016	< 5.0	< 5.0	7.0	65.5	24.7
OW39	3/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	2.6
OW39	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW39	8/17/2017	< 5.0	< 5.0	6.8	62.1	24.8
OW39	11/7/2017	< 5.0	< 5.0	68.3	177	25.4
OW39	3/16/2018	< 2.5	< 5.0	93.6	100	41.7
OW39	6/7/2018	< 2.5	< 5.0	9.2	18.3	7.9
OW40	9/13/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	3/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	8/17/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7

Table 1
BTEX and Naphthalene Groundwater Analytical Results
Environmental Restrictive Covenant Area
12694 Adams Road, St. Joseph County, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW40	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW41	9/13/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW41	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW44	9/13/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW44	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW46	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW46	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW46	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW46	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW46	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW46	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW46	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW46	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW47	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW47	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW47	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW47	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW47	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW47	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW47	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW47	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW48	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW48	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW48	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW48	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW48	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW48	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW48	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW48	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW50	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW50	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW59	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW59	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW59	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW59	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7

Table 1
BTEX and Naphthalene Groundwater Analytical Results
Environmental Restrictive Covenant Area
12694 Adams Road, St. Joseph County, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW59	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW59	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW59	3/15/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW59	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW60	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW60	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW60	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW60	6/13/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW60	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW60	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW67	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW67	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW67	3/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW67	6/15/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW67	8/17/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW67	11/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW67	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW67	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW68	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW68	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW68	3/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW68	6/15/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW68	8/17/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW68	11/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW68	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW68	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW83	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW89	9/12/2016	< 50.0	12100	314	3780	238
OW89	11/8/2016	< 50.0	10800	289	4630	281
OW89	3/8/2017	< 50.0	919	380	3550	386
OW89	6/15/2017	< 50.0	1450	685	6020	992
OW89	8/17/2017	25.7 J	20700	1530	13700	1160
OW89	11/8/2017	< 50.0	25700	801	10100	731
OW89	6/7/2018	17.5	32600	1090	9620	377
OW90	9/12/2016	< 5.0	26.1	234	952	396

Table 1
BTEX and Naphthalene Groundwater Analytical Results
Environmental Restrictive Covenant Area
12694 Adams Road, St. Joseph County, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW90	11/8/2016	< 5.0	< 5.0	215	658	220
OW90	3/8/2017	< 50.0	< 50.0	139	428	95.0
OW90	6/15/2017	< 5.0	< 5.0	< 5.0	< 10.0	5.9
OW90	8/17/2017	< 5.0	< 5.0	< 5.0	< 10.0	18.9
OW90	11/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	11.6
OW90	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	3.3
OW90	6/7/2018	< 2.5	< 5.0	26.8	65.5	28.8
OW91	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW91	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW91	3/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW91	6/15/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW91	8/17/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW91	11/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW91	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW91	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW92	9/12/2016	< 5.0	15.3	398	972	98.4
OW92	11/8/2016	< 5.0	5.8	69.9	188	31.8
OW92	3/8/2017	< 5.0	< 5.0	36.5	26.1	14.6
OW92	6/15/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW92	8/17/2017	< 5.0	< 5.0	7.1	71.8	28.1
OW92	11/8/2017	< 5.0	< 5.0	18.2	104	46.3
OW92	3/16/2018	< 2.5	< 5.0	< 5.0	14.4	2.0
OW92	6/7/2018	< 2.5	< 5.0	180	870	113
OW94	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	11.2
OW94	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW96	9/12/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW96	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7

1. Concentrations in bold confirmed to exceed one or more 2015 IDEM RCG Screening levels.

2. Concentrations were compared to the 2015 IDEM Tap and Vapor Exposure Screening Levels for industrial/commercial properties.

3. µg/l - micrograms/liter

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

Remediation Completion Report
Buckeye Terminals, LLC
July 2, 2024



Appendix E – Notification of Potential Groundwater Impacts Letter



BUCKEYE TERMINALS, LLC

Five Tek Park
9999 Hamilton Blvd.
Breinigsville, PA 18031
Tel (610) 904-4000
Fax (610) 904-4549

Sent via Overnight Courier

November 15, 2019

Nicole De Rose
Canadian National Railroad/Illinois Central Railroad Company
Environmental Specialist – Environment (U.S.)
17641 S. Ashland Avenue
Homewood, IL 60430

Re: Notification of Potential Groundwater Impacts
Buckeye Terminals, LLC – Granger Terminal
12694 Adams Road
Granger, Indiana
IDEM VRP Site Identification No. 6150307

To Whom It May Concern:

Buckeye Terminals, LLC (Buckeye) has performed environmental activities at the Buckeye Terminal at 12694 Adams Road, Granger, Indiana. These activities were conducted in response to a historical petroleum hydrocarbon release at the facility. The response actions consisted of environmental sampling investigations and remedial actions subject to Indiana Department of Environmental Management (IDEM) review and approval. A Remedial Work Plan (RWP) was approved by IDEM on January 26, 2017.

The attached **Table 1** includes groundwater analytical data of samples collected near Canadian National (CN) right-of-way. The attached **Figure 1** includes the locations of these sampling locations in relation to the CN right-of-way. To protect human health, groundwater beneath the area shown on the attached **Figure 1** should not be used as potable water. IDEM requires notification of these conditions to you. No further action is required on your part.

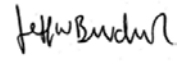
To learn more about the Buckeye Granger Terminal, please contact either Kendall Rannaaja of Antea Group at 800 West 5th Avenue, Suite 210, Naperville, Illinois 60563, phone (800) 477-7411 or the IDEM project manager identified below:

Mr. Michael McCann
Indiana Department of Environmental Management
Voluntary Remediation Program
Office of Land Quality
100 North Senate Avenue
Indianapolis, IN 46204-6015
Phone: (317) 233-5298

Additional information pertaining to the facility may be obtained through the IDEM Virtual File Cabinet (<https://vfc.idem.in.gov/DocumentSearch.aspx>).

Should you have any questions regarding this matter please contact me at (610) 904-4019 or JBrudereck@buckeye.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Brudereck".

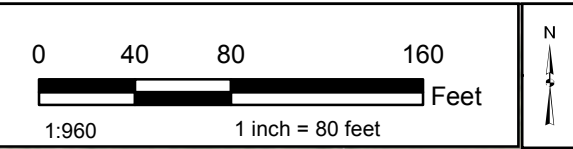
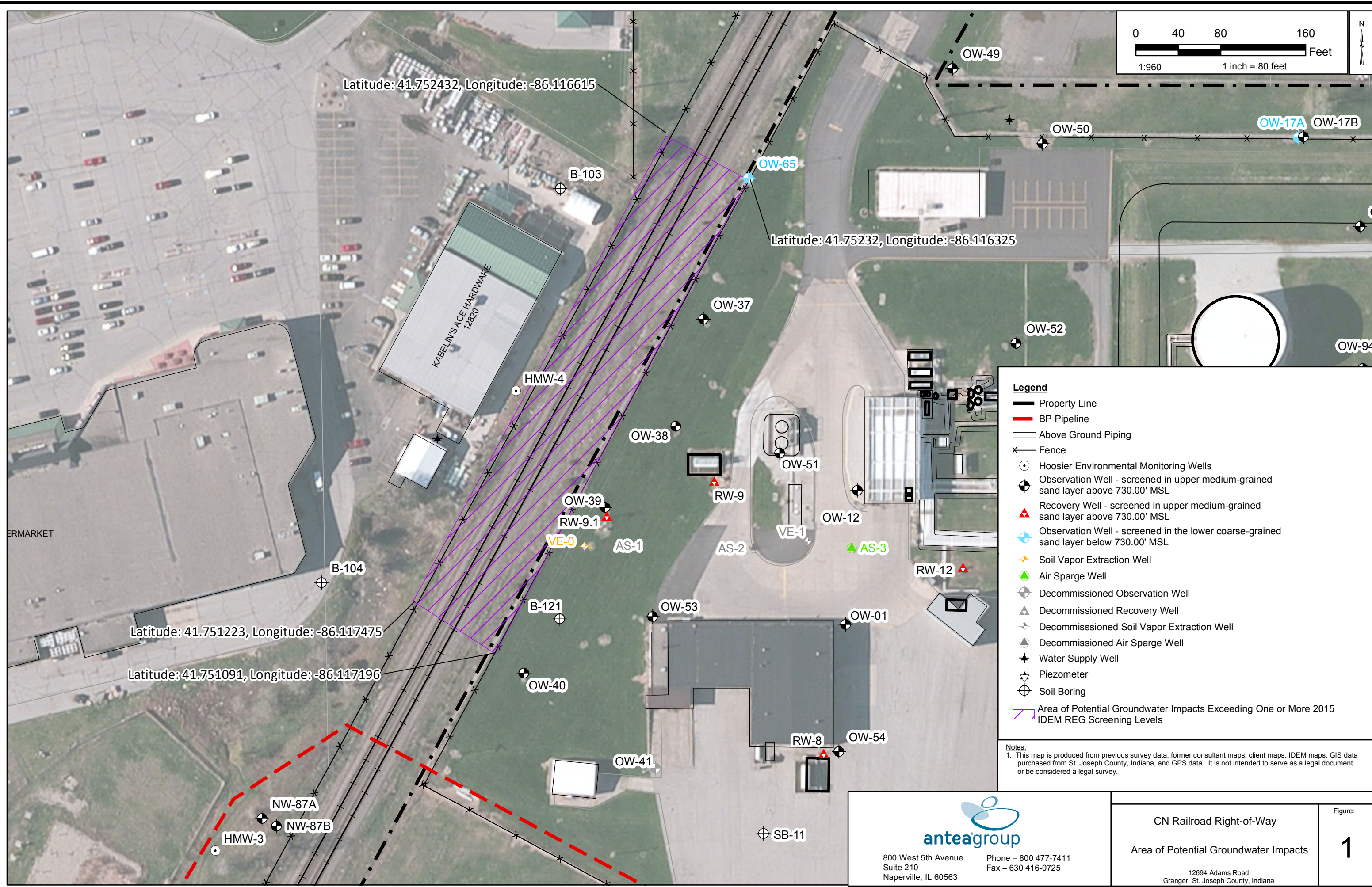
Jeff Brudereck
Senior Project Manager, Remediation

Attachments:

Table 1 – BTEX and Naphthalene Groundwater Analytical Results

Figure 1 – Area of Potential Groundwater Impacts

cc Antea Group (via email)



Latitude: 41.752432, Longitude: -86.116615

Latitude: 41.75232, Longitude: -86.116325

Latitude: 41.751223, Longitude: -86.117475

Latitude: 41.751091, Longitude: -86.117196

Legend

- Property Line
- BP Pipeline
- Above Ground Piping
- Fence
- Hoosier Environmental Monitoring Wells
- Observation Well - screened in upper medium-grained sand layer above 730.00' MSL
- Recovery Well - screened in upper medium-grained sand layer above 730.00' MSL
- Observation Well - screened in the lower coarse-grained sand layer below 730.00' MSL
- Soil Vapor Extraction Well
- Air Sparge Well
- Decommissioned Observation Well
- Decommissioned Recovery Well
- Decommissioned Soil Vapor Extraction Well
- Decommissioned Air Sparge Well
- Water Supply Well
- Piezometer
- Soil Boring
- Area of Potential Groundwater Impacts Exceeding One or More 2015 IDEM REG Screening Levels

Notes:
 1. This map is produced from previous survey data, former consultant maps, client maps, IDEM maps, GIS data purchased from St. Joseph County, Indiana, and GPS data. It is not intended to serve as a legal document or be considered a legal survey.



800 West 5th Avenue
 Suite 210
 Naperville, IL 60563

Phone – 800 477-7411
 Fax – 630 416-0725

CN Railroad Right-of-Way

Area of Potential Groundwater Impacts

Figure:
1

12694 Adams Road
 Granger, St. Joseph County, Indiana

File Name: Granger_AreaofPotentialGroundwaterImpacts_20190424.mxd Edited: 4/24/2019 By: SAA

Table 1
 BTEX and Naphthalene Groundwater Analytical Results
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
HMW4	9/13/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
HMW4	11/8/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
HMW4	3/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
HMW4	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
HMW4	8/16/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
HMW4	11/8/2017	< 5.0	< 5.0	13.1	21.1	2.9
HMW4	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
HMW4	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW37	9/13/2016	< 25.0	< 25.0	205	922	48.9
OW37	11/7/2016	< 5.0	< 5.0	115	635	48.9
OW37	3/8/2017	< 5.0	< 5.0	34.2	402	12.0
OW37	6/14/2017	< 5.0	< 5.0	< 5.0	315	4.4
OW37	8/17/2017	< 5.0	< 5.0	13.4	68.5	6.5
OW37	11/7/2017	< 5.0	< 5.0	299	1460	115
OW37	3/16/2018	< 2.5	< 5.0	< 5.0	38.4	< 1.7
OW37	6/7/2018	< 2.5	< 5.0	< 5.0	385	9.8
OW38	9/13/2016	< 25.0	< 25.0	937	3640	207
OW38	11/7/2016	< 25.0	< 25.0	510	2330	127
OW38	3/8/2017	< 5.0	< 5.0	< 5.0	16.8	< 1.7
OW38	6/14/2017	< 5.0	< 5.0	63.5	1380	91.3
OW38	8/17/2017	< 5.0	< 5.0	120	494	38.2
OW38	11/7/2017	< 5.0	< 5.0	226	1150	80.4
OW38	3/16/2018	< 2.5	< 5.0	< 5.0	1000	59.0
OW38	6/7/2018	< 2.5	< 5.0	69.9	597	54.8
OW39	9/13/2016	< 5.0	< 5.0	10.4	136	36.7
OW39	11/7/2016	< 5.0	< 5.0	7.00	65.5	24.7
OW39	3/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW39	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	2.6
OW39	8/17/2017	< 5.0	< 5.0	68.3	177	25.4
OW39	11/7/2017	< 5.0	< 5.0	6.8	62.1	24.8
OW39	3/16/2018	< 2.5	< 5.0	93.6	100	41.7
OW39	6/7/2018	< 2.5	< 5.0	9.2	18.3	7.9
OW40	9/13/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	11/7/2016	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	3/8/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7

Table 1
 BTEX and Naphthalene Groundwater Analytical Results
 Buckeye Terminals, LLC - Granger Terminal
 12694 Adams Road, Granger, Indiana 46530

Chemical Name		Benzene	Toluene	Ethylbenzene	Xylene (Total)	Naphthalene
IDEM Tap Screening Level		5	1000	700	10000	1.7
IDEM Commercial/Industrial Vapor Screening Level		120	-	-	-	460
Report Result Unit		µg/l	µg/l	µg/l	µg/l	µg/l
Well ID	Sampling Date					
OW40	6/14/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	8/17/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	11/7/2017	< 5.0	< 5.0	< 5.0	< 10.0	< 1.7
OW40	3/16/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7
OW40	6/7/2018	< 2.5	< 5.0	< 5.0	< 10.0	< 1.7

1. Concentrations in bold confirmed to exceed one or more 2015 IDEM RCG Screening levels.
2. Concentrations were compared to the 2015 IDEM Tap and Vapor Exposure Screening Levels for industrial/commercial properties.
3. µg/l - micrograms/liter

Remediation Completion Report
Buckeye Terminals, LLC
July 2, 2024



Appendix F – Waste Disposal Documentation



EARTHMOVERS LANDFILL
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Reprint
 Ticket# 1359762

Customer Name WMSSBUCKEYE615487IN WM SS BUC Carrier IN SERV
 Ticket Date 01/07/2021 Vehicle# 146201 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000616
 State Waste Code Gen EPA ID
 Manifest 615487IN
 Destination
 PO
 Profile 615487IN (SPENT CARBON & SOLIDS/SEDIMENTS (WM025A))
 Generator 141-BUCKEYE12964 BUCKEYE TERMINALS LLC - GRANGER

	Time	Scale	Operator	Inbound	Gross	64900 lb
In	01/07/2021 08:15:04	Scale	jmurph23		Tare	39100 lb
Out	01/07/2021 08:46:59	Scale	jmurph23		Net	25800 lb
					Tons	12.90

REPLACEMENT TICKET FOR TICKET # 1359711

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste Solid Oth-	100	12.90	Tons				MI-STJOSEP
2 FUEL-Fuel Surcharg	100		%				MI-STJOSEP
3 EVF-L-Standard Env	100	1	Load				MI-STJOSEP

Total Tax
 Total Ticket

Driver`s Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of		
3. Generator's Mailing Address: BUCKEYE TERMINALS LLC-GRANGER 12964 ADAMS RD GRANGER IN 46530		Generator's Site Address (if different than mailing): BUCKEYE TERMINALS LLC-GRANGER 12964 ADAMS RD GRANGER IN 46530		A. Manifest Number WMSS-WDR2916		B. State Generator's ID		
4. Generator's Phone		5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address EARTHMOVERS LANDFILL 26488 COUNTY RD 26 ELKHART, IN 46515		10. US EPA ID Number		
11. Description of Waste Materials		12. Containers		13. Total Quantity		14. Unit Wt./Vol.		
a. SPENT CARBON & SOLIDS/SEDIMENTS WM Profile # 615487IN b. WM Profile # c. WM Profile # d. WM Profile #		No.		Type		I. Misc. Comments		
						1290		
J. Additional Descriptions for Materials Listed Above		K. Disposal Location		Cell		Level		
BILL TO:		Grid						
15. Special Handling Instructions and Additional Information								
Purchase Order # SRQ00296046-WDR#2916		EMERGENCY CONTACT / PHONE NO.:						
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.								
Printed Name		Signature "On behalf of"				Month	Day	Year
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed Name		Signature				Month	Day	Year
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed Name		Signature				Month	Day	Year
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 <i>J. Murphy</i>		Signature <i>J. Murphy</i>				Month	Day	Year
						1	7	21

****One Copy Per Load****



EARTHMOVERS LANDFILL
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Reprint
 Ticket# 1359760

Customer Name WMSSBUCKEYE615487IN WM SS BUC Carrier INSERV INSERV
 Ticket Date 01/07/2021 Vehicle# 14620L Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000616
 State Waste Code Gen EPA ID
 Manifest 615487IN
 Destination
 PO
 Profile 615487IN (SPENT CARBON & SOLIDS/SEDIMENTS (WM025A))
 Generator 141-BUCKEYE12964 BUCKEYE TERMINALS LLC - GRANGER

	Time	Scale	Operator	Inbound	Gross	64800 lb
In	01/07/2021 10:27:21	Scale	jmurph23		Tare	39300 lb
Out	01/07/2021 10:58:36	Scale	jmurph23		Net	25500 lb
					Tons	12.75

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste Solid Oth-	100	12.75	Tons				MI-STJOSEP
2 FUEL-Fuel Surcharg	100		%				MI-STJOSEP
3 EVF-L-Standard Env	100	1	Load				MI-STJOSEP

Total Tax
 Total Ticket

Driver`s Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address: BUCKEYE TERMINALS LLC-GRANGER 12964 ADAMS RD GRANGER IN 46530		Generator's Site Address (if different than mailing): BUCKEYE TERMINALS LLC-GRANGER 12964 ADAMS RD GRANGER IN 46530		A. Manifest Number WMSS-WDR2916	B. State Generator's ID
4. Generator's Phone		6. US EPA ID Number		C. State Transporter's ID	D. Transporter's Phone
5. Transporter 1 Company Name		8. US EPA ID Number		E. State Transporter's ID	F. Transporter's Phone
7. Transporter 2 Company Name		10. US EPA ID Number		G. State Facility ID	H. State Facility Phone
9. Designated Facility Name and Site Address EARTHMOVERS LANDFILL 26488 COUNTY RD 26 ELKHART, IN 46515					
11. Description of Waste Materials		12. Containers No. Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
G E N E R A T O R a. SPENT CARBON & SOLIDS/SEDIMENTS WM Profile # 615487IN				12.75	
b.					
WM Profile #					
c.					
WM Profile #					
d.					
WM Profile #					
J. Additional Descriptions for Materials Listed Above		K. Disposal Location			
BILL TO:		Cell		Level	
		Grid			
15. Special Handling Instructions and Additional Information					
Purchase Order # SRQ00296046-WDR#2916		EMERGENCY CONTACT / PHONE NO.:			
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.					
Printed Name		Signature "On behalf of"		Month	Day
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	Day
Printed Name					
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day
Printed Name					
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		Signature		Month	Day
J Murphy				1	7
					21

****One Copy Per Load****



EARTHMOVERS LANDFILL
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Reprint
 Ticket# 1359825

Customer Name WMSSBUCKEYE615487IN WM SS BUC Carrier IN SERV
 Ticket Date 01/07/2021 Vehicle# 146201 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000616
 State Waste Code Gen EPA ID
 Manifest 615487IN
 Destination
 PO
 Profile 615487IN (SPENT CARBON & SOLIDS/SEDIMENTS (WM025A))
 Generator 141-BUCKEYE12964 BUCKEYE TERMINALS LLC - GRANGER

	Time	Scale	Operator	Inbound	Gross	68140 lb
In	01/07/2021 13:29:22	Scale	jmurph23		Tare	39260 lb
Out	01/07/2021 14:13:40	Scale	jmurph23		Net	28880 lb
					Tons	14.44

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste Solid Oth-	100	14.44	Tons				MI-STJOSEP
2 FUEL-Fuel Surcharg	100		%				MI-STJOSEP
3 EVF-L-Standard Env	100	1	Load				MI-STJOSEP

Total Tax
 Total Ticket

Driver`s Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of				
3. Generator's Mailing Address: BUCKEYE TERMINALS LLC-GRANGER 12964 ADAMS RD GRANGER IN 46530			Generator's Site Address (if different than mailing): BUCKEYE TERMINALS LLC-GRANGER 12964 ADAMS RD GRANGER IN 46530			A. Manifest Number WMSS-WDR2916				
4. Generator's Phone			B. State Generator's ID							
5. Transporter 1 Company Name			6. US EPA ID Number		C. State Transporter's ID					
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone					
9. Designated Facility Name and Site Address EARTHMOVERS LANDFILL 26488 COUNTY RD 26 ELKHART, IN 46515			10. US EPA ID Number		E. State Transporter's ID					
					F. Transporter's Phone					
					G. State Facility ID					
					H. State Facility Phone					
11. Description of Waste Materials				12. Containers		13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments		
a. SPENT CARBON & SOLIDS/SEDIMENTS				No.		Type				
WM Profile # 615487IN							14.44			
b.										
WM Profile #										
c.										
WM Profile #										
d.										
WM Profile #										
J. Additional Descriptions for Materials Listed Above				K. Disposal Location						
BILL TO:				Cell		Level				
				Grid						
15. Special Handling Instructions and Additional Information										
Purchase Order # SRQ00296046-WDR#2916 EMERGENCY CONTACT / PHONE NO.:										
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.										
Printed Name				Signature "On behalf of"				Month	Day	Year
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed Name				Signature				Month	Day	Year
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed Name				Signature				Month	Day	Year
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				Signature				Month	Day	Year
J. Murphy				<i>J. Murphy</i>				11	7	21

****One Copy Per Load****