

DMS Environmental Services 312 Filbert Street Curwensville, PA 16833

Phone: 814.236.0305 Fax: 814.236.0305

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT

INDIANA SITE
4470 W. PIKE ROAD
ARMSTRONG,
INDIANA COUNTY, PENNSYLVANIA
PADEP FACILITY ID 32-32708

Prepared for:

Bernard III Land Co. Inc.

P.O. Box 128 Indiana, PA 15701

Prepared by:

DMS Environmental Services, LLC 312 Filbert Street

Curwensville, PA 16833

January 2010



APPENDIX D

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

| | | 32 | 2 - 32708 | | |
|-------------|---------------------------|---------------|--------------------------|---|-----------------------|
| | | | cility I.D. | | |
| | | In- | diana Site | | |
| | - | | acility Nam | e | |
| | Arms | rona | India | ana | |
| | | Municipality | | County | |
| | | 1 | 2/24/09 | | |
| | | | e Prepared | | |
| | | Ric | h Larson | | |
| | | Name of Perso | on Submitt | | |
| | | (Ple | ease Print) | | |
| | | | nvironmer | | |
| | | | pany Nama (pplicable) | | |
| | | (11.2 | фрисавіе) | | |
| | | Remedial S | ystems Su | pervisor | |
| | | | Title | | |
| Clos | ure Method (Check all tha | t apply): | Site | Assessment Results (Check all t | that apply): |
| | Removal | | | No Obvious Contamination - Sa Standards/Levels | ample Results Meet |
| | Closure-In-Place | | | No Obvious Contamination - Sa Meet Standards/Levels | ample Results Do Not |
| \boxtimes | Change-In-Service | | | Obvious, Localized Contaminated Meet Standards/Levels | tion - Sample Results |
| | | | \boxtimes | Obvious, Localized Contaminat Do Not Meet Standards/Levels | tion - Sample Results |
| | | | | Obvious, Extensive Contamina | tion |
| | | | | | |

| DATE RECEIVED: | |
|----------------|--|

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

Owners who are permanently closing underground storage tanks may use this form to demonstrate that an underground storage tank closure was performed in accordance with the "Closure Requirements for Underground Storage Tank Systems" document. PLEASE PRINT OR TYPE. COMPLETE ALL QUESTIONS.

SECTION I. Owner/Facility/Tank/Waste Management and Disposal Information

| 1. | Facility ID Number <u>32 - 32708</u> | 2. | Facility Name Indiana Site |
|----|--|----------|--|
| 3. | Facility County Indiana | 4. | Facility Municipality Armstrong |
| 5. | Facility Address 4470 W Pike Rd Indiana, PA 15701-87 | 732 | |
| 6. | Facility Contact Person Mike Jewart | 7. | Facility Telephone Number (724) 541 - 7112 |
| 8. | Owner Name Bernard III Land Co.Inc. | | |
| 9. | Owner Mailing Address PO Box 128 Indiana,PA 15701 | <u> </u> | |
| 10 | Description of Underground Storage Tanks (Complete | for | each tank closed) |

| DATE OF TANK CLOSU | RE (I | Month/Day/Year) | 11- 25 -2009 | 11- 25 -2009 | 11- 25 -2009 | 11- 25 -2009 |
|---|-------|---|--------------|--------------|--------------|--|
| Tank Registration Number | | | 1 | 2 | 3 | 4 |
| Estimated Total Capacity | (Gall | lons) | 3000 | 3000 | 8000 | 6000 |
| Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply) | | Petroleum Unleaded Gasoline Leaded Gasoline Aviation Gasoline Kerosene Jet Fuel Diesel Fuel Fuel Oil No. 1 Fuel Oil No. 2 Fuel Oil No. 2 Fuel Oil No. 5 Fuel Oil No. 6 New Motor Oil Used Motor Oil Other, Please Specify | | | | 80000000000000000000000000000000000000 |
| NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Sheets (MSDS) | | Hazardous Substance Name of Principal CERCLA Substance AND Chemical Abstract Service (CAS) No. Unknown | | | | |
| Closure Method | a. | Removal | | | | |
| (Check Only One) | b. | Closure-in-Place | | | | |
| . , , | C. | Change-In-Service | \square | \boxtimes | | \square |
| Partial System Closure (Y | es o | | Yes | Yes | Yes | Yes |

| D | ATE O | F TAI | NK CLOSURE | (Month/Day/Year) | | | | I |
|---|----------|-------|---|--|------------------|--------------------------------------|----------------|--------------|
| | | | tion Number | | | | | |
| E | stimate | d Tot | | | | | | |
| Estimated Total Capacity (Gallons) Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply) Check All That Apply) Aviation Gasoline Kerosene Jet Fuel Diesel Fuel Fuel Oil No. 1 Fuel Oil No. 2 Fuel Oil No. 5 Fuel Oil No. 5 Fuel Oil No. 6 New Motor Oil Used Motor Oil Used Motor Oil Other, Please Specify NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Petroleum Unleaded Gasoline Leaded Gasoline Kerosene Jet Fuel Diesel Fuel Diesel Fuel Fuel Oil No. 6 New Motor Oil Other, Please Specify Hazardous Substance Name of Principal CERCLA Substance | | | | | | | | |
| Sheets (MSDS) Sheets (MSDS) AND Chemical Abstract Service (CAS) No. c. Unknown Closure Method (Check Only One) Closure-in-Place c. Change-In-Service | | | | AND Chemical Abstract Service (CAS) No. c. Unknown A. Removal b. Closure-in-Place c. Change-In-Service | | | | |
| <u></u> | artiai S | ysten | Closure (Yes | OI NO) | | | | |
| 11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) including use of tanks: The facility has historically been and future use is for a cardlock fueling facility and administrative office. | | | | | | | | |
| \boxtimes | | 12. | A site locatio | л and sampling map of the si | te, drawn to sca | ile, is attached. | See page 11 of | 11. |
| | | | Original, cold | or photographs of the closure | | | | |
| | | 14. | An amended "Storage Tanks Registration/Permitting Application Form" was submitted to the DEP, Bureau of Waste Management, Division of Storage Tanks, P.O. Box 8762, Harrisburg, PA 17105-8762. Date: | | | | | |
| ⊠ | | 15. | If a reportable or operator. Date: 01 - | e release was confirmed, the | | gional office of D Southwest Regi | | by the owner |
| | | | | | | | | |

| I-BWM | 159 | Rev. 12/2008 |
|-------------|-------|--|
| N/A | | \cdot |
| \boxtimes | 16. | If tanks were cleaned on-site: |
| | | a. Briefly describe the disposition of usable product: |
| | | |
| | | |
| | | |
| | | Briefly describe the disposal of unusable product, sludges, sediments, and wastewater generated during cleaning. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal): |
| | | |
| | | |
| | | c. If tank contents were determined/deemed to be hazardous waste, provide: (1) Generator ID Number: |
| | | (2) Licensed Hazardous Waste Transporter Name and ID Number: |
| | | |
| \boxtimes | 17. | If tanks were removed from the site for cleaning: |
| | | a. Provide the name and permit number of the processing, treatment, storage or disposal facility |
| | | performing the tank cleaning: |
| | | |
| | | b. If tank contents were d determined/deemed to be hazardous waste, provide: |
| | | (1) Generator ID Number: |
| | | (2) Licensed Hazardous Waste Transporter Name and ID Number: |
| | | |
| | 18. | Briefly describe the disposition of tanks/piping (Attach documentation of proper disposal): |
| | | |
| | | |
| | | |
| \boxtimes | 19. | If contaminated soil is excavated: |
| | | a. Briefly describe the disposition and amount (tons) of contaminated soil. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal): |
| | | |
| | | |
| | | b. If contaminated soil is determined/deemed to be hazardous waste, provide: |
| | | (1) Generator ID Nümber: |
| | | (2) Licensed Hazardous Waste Transporter Name and ID Number: |
| | | |
| | N/A ⊠ | N/A ☑ 16. ☑ 17. |

| 2570-FM-BWM0159 | | 159 | Rev. 12/2008 | |
|--------------------------|----------|----------------|--|--|
| Yes | N/A ⊠ | 20. | | - |
| | | | The soil excavated for the product conveyance line | es and dispensers were used for backfill. |
| , | | | , hereby certify, unde | er penalty of law as provided in 18 Pa. C.S. §4904 |
| relati nform and b | ation p | nswo Provid | (Print Name) rn falsification to authorities) that I am the owner o ed by me in this closure report (Section I) is true, a | of the above referenced storage tank(s) and that the accurate and complete to the best of my knowledge |
| | | | Signature of Tank Owner | / / |
| | | | Bernard III Company Name (If Applicable) | Land Co. Inc. |
| | | | Owner | |

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION II. Tank Handling Information

Facility ID Number 32 - 32708

| Yes | N/A | | |
|-------------|-------------|----|---|
| | | 1. | Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil: Excavated soil was kept within product island excavation. Samples where collected beneath product |
| | | | dispenser and product lines. |
| | | 2. | Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping: |
| | | | Product conveyance lines were constructed of single wall fiberglass. Approx.125 ft of product line was removed from underneath of the product island and from product island to UST's |
| | | | |
| | | 3. | Briefly describe the condition of the tanks and any problems encountered during tank removal: N/A |
| | | | |
| | | 4. | Briefly describe the method used to purge the tanks of and monitor for explosive vapors: N/A |
| | | | |
| П | \bowtie | 5. | If tanks were cleaned on-site: |
| _ | | • | a. Briefly describe the tank cleaning process: |
| | | | |
| | | | |
| | | | b. If subcontracted, name and address of company that performed the tank cleaning: |
| | | | N/A |
| | | _ | |
| Ш | \boxtimes | 6. | If tanks were closed-in-place, briefly describe the tank fill material: |
| | | | |
| \boxtimes | | 7. | If contamination was suspected or observed, the "Notification of Contamination" form was submitted. |

2570-FM-BWM0159 Rev. 12/2008

Installer Certification Number

DMS Environmental Services, LLC
Company Name

103 South Spring Street
Street

Bellefonte, PA 16823
City/Town, State, Zip

814 - 224 - 5700 Phone

1611

Company Certification Number

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information Tank Registration # 001 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 32 - 32708

| Bed | drock N/A feet below land surface Water N/A feet below land surface |
|-----|--|
| | ovide Length of <i>PIPING</i> <u>IF</u> piping was closed-in-place (write "N/A" if NOT closed-in-place). In a significant content of piping N/A feet |
| TA | NK SYSTEM REMOVED FROM THE GROUND |
| 1). | Was obvious contamination observed while excavating? |
| | NO→ Conduct confirmatory sampling> See end of this section for options o submission and maintenance of closure records> Do not complete item C.2. below. |
| | ☐YES |
| | |
| | |
| 2). | Was contamination <u>localized</u> (within three feet of the tank system in every direction with no obvious wate contamination)? |
| | ☐ YES ———→ Remove or remediate contaminated soil ————→ Conduct confirmatory sampling————→ |
| | See end of this section for options on submission and maintenance of closure records ——→ Ca Indemnification Fund (717-787-0763). |
| | NO→ Continue interim remedial actions |
| TAI | NK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE |
| Wa | s obvious contamination observed during sampling, boring or assessing water depths? |
| | NO Conduct confirmatory sampling ———————————————————————————————————— |
| | YES→ Report release to DEP within 2 hours |

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E. If the answer to C.1. is "no", the answer to C.2. if "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for <u>at least three years</u> after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank is located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

| |) that I am the person who p | nalty of law as provided in 18 Pa. C.S. §4904 (relating erformed the site assessment activities associated with the information provided by me in this closure report edge and belief. |
|--|------------------------------|--|
| Signature of Person Performi | ng Site Assessment | 12 / 24 / 2009 Date |
| Remedial Systems Supervisor Title of Person Performing | Site Assessment | DMS Environmental Services, LLC Name of Company Performing Site Assessment |
| 814-236-0305 Telephone Number of Person Per | forming Site Assessment | |

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

Sample/Analysis Information (Attachment for Section III.)

Facility ID Number 32 - 32708

| Sample I.D. (See diagram) | Parameter | Analytical Method ¹ | Media | Result (units) | Detection Limit (units) | Date Sample Taken | Date Sample Analyzed |
|---------------------------------|-----------------------------------|-----------------------------------|-------|-------------------|-------------------------------|-------------------------|----------------------------|
| | | | | | | 1 1 | 1 1 |
| | | | | | | 1 1 | 1 1 |
| | | | | | | 1 1 | 1 1 |
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| | | | | | | 1 1 | 1 1 |

Facility ID Number 32 - 32708

| Sample I.D. (See diagram) | Parameter | Analytical Method ¹ | Media | Result (units) | Detection Limit (units) | Date Sample Taken | Date Sample Analyzed |
|---------------------------------|-----------|-----------------------------------|--------------|-------------------|-------------------------------|-------------------------|----------------------------|
| | | | | | | 1 1 | 1 1 |
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| | | | | | | 1 1 | 1 1 |
| | | | | | | 1 1 | 1 1 |
| | | | | | | 1 1 | 1 1 |
| | | | | | | 1 1 | 1 1 |

Where EPA Method 5035 is required, indicate sample collection option in the right hand box of this column using the following codes:

P - Samples placed in a soil sample vial with a preservative present.

E - Samples collected and stored in a soil collection device which is airtight and affords little to no headspace.

N - Samples placed in soil sample vial without a preservative present.

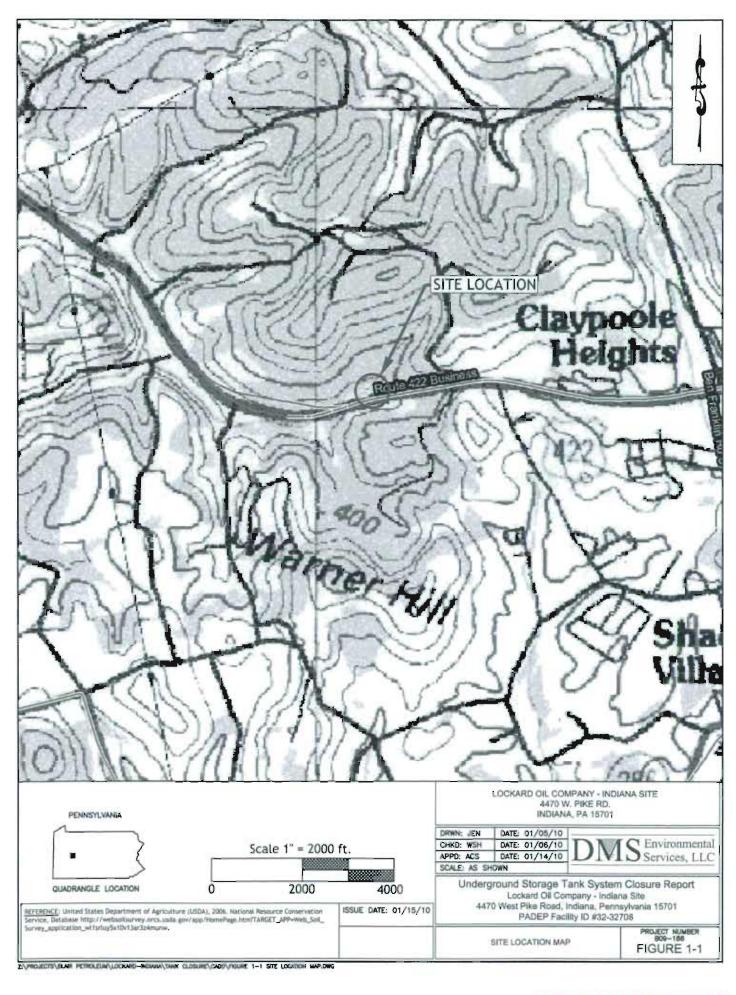
Facility Name and ID: Indiana Site

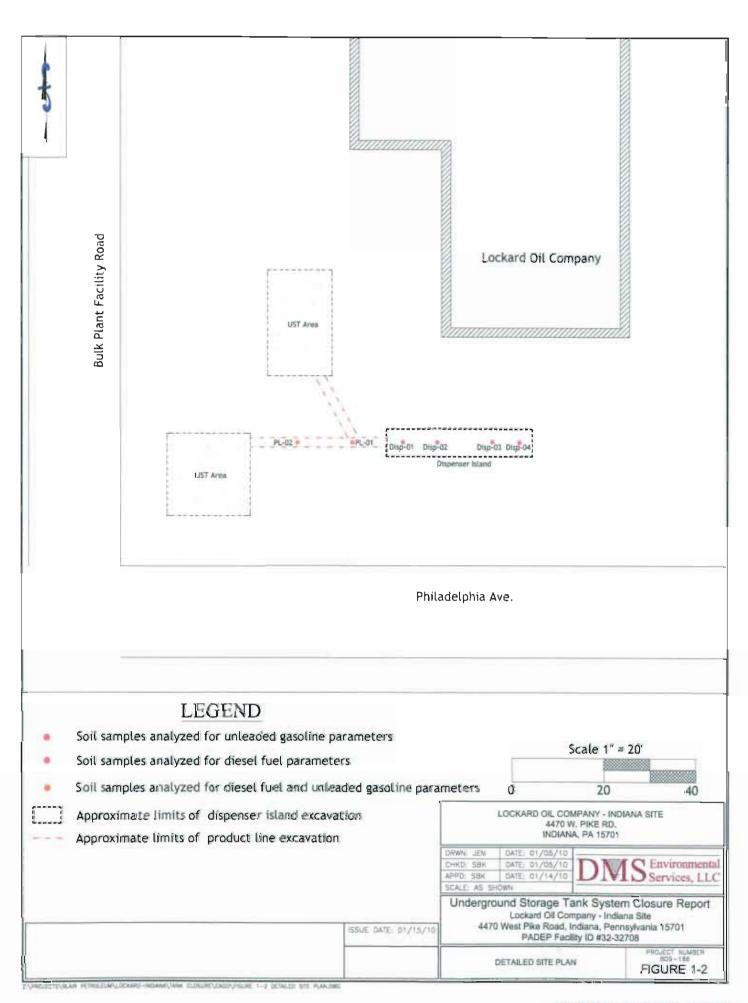
Site Location and Sampling Map - Use this page or suitable facsimile to provide a large scale map of the site where tanks were closed. Scales between 1" = 10 and 1" = 100 feet frequently work out well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tanks removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

32 - 32708

| County: Indiana |
|-----------------------------|
| Township/Borough: Armstrong |
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ATTACHMENT 1 FIGURES





ATTACHMENT 2 PHOTOGRAPHS



Lockard Indiana Site



Product dispenser before excavation



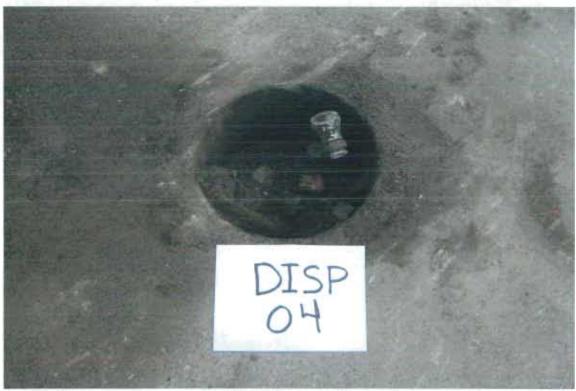
Gas dispenser 01



Diesel dispenser 02



Diesel dispenser 03



Diesel dispenser 04



Excavation of product dispenser area



Soil below dispenser



Backfilling after excavation



Fiberglass product conveyance lines in excellent condition.

| Inderground Storage Tank S ndiana Site | System Closure Report | |
|---|-----------------------|--------------|
| acility ID 32-32708 | | January 2010 |
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Phone: 814-236-3540 Fax: 814-236-1952

Email info@mahaffeylaboratory.com www.mahaffeylaboratory.com

Certificate of Analysis

Steve Keller DMS Environmental Services

Project Lockard-Indiana 09-398

Lab Sample No.: 912002-001

Client Sample ID: Disp-04[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009

Date Reported 12/11/2009

Reporting Test Method Result Units Analyst **Test Date** QIf. Limit GC Diesel Fuel, Fuel Oil No.2 - New Sites - Soil Benzene SW 846-5035/8260B 0.19 0.020 PW mg/kg 12/4/2009 Toulene SW 846-5035/8260B 0.050 0.020 PW 12/4/2009 mg/kg Ethyl Benzene SW 846-5035/8260B 0.72 0.020 mg/kg PW 12/4/2009 Cumene (Isopropylbenzene) SW 846-5035/8260B 2.7 0.020 mg/kg PW 12/4/2009 Naphthalene SW 846-5035/8260B 0.82 0.020 mg/kg PW 12/4/2009 MTBE SW 846-5035/8260B < 0.020 0.020 mg/kg PW 12/4/2009 Trimethyl benzene, 1,2,4-SW 846-5035/8260B 0.28 0.020 mg/kg PW 12/4/2009 Trimethyl benzene, 1,3,5 SW 846-5035/8260B 0.24 0.020 PW 12/4/2009 mg/kg

Samples were received on ice at a temperature of 6 degrees Celsius.

Approved By ____

Rich McCracken



Phone: 814-236-3540 Fax: 814-236-1952

Email info@mahaffeylaboratory.com www.mahaffeylaboratory.com

Certificate of Analysis

Steve Keller **DMS Environmental Services**

> Project Lockard-Indiana 09-398

Lab Sample No.: 912002-002

Client Sample ID: Disp-03[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009 Date Reported 12/11/2009

| Test | Method | Result | Reporting Limit | Units | Analyst | Test Date | QIf. |
|--|-------------------|--------|--------------------|-------|---------|-----------|------|
| GC Diesel Fuel, Fuel Oil No.2 - New Sites - Soil | | | | | | | |
| Benzene | SW 846-5035/8260B | 0.32 | 0.020 | mg/kg | PW | 12/5/2009 | |
| Toulene | SW 846-5035/8260B | 0.029 | 0.020 | mg/kg | PW | 12/5/2009 | |
| Ethyl Benzene | SW 846-5035/8260B | 1.1 | 0.020 | mg/kg | PW | 12/5/2009 | |
| Cumene (Isopropylbenzene) | SW 846-5035/8260B | 0.82 | 0.020 | mg/kg | PW | 12/5/2009 | |
| Naphthalene | SW 846-5035/8260B | 3.1 | 0.020 | mg/kg | PW | 12/5/2009 | |
| MTBE | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/5/2009 | |
| Trimethyl benzene, 1,2,4- | SW 846-5035/8260B | 0.53 | 0.020 | mg/kg | PW | 12/5/2009 | |
| Trimethyl benzene, 1,3,5 | SW 846-5035/8260B | 0.33 | 0.020 | mg/kg | PW | 12/5/2009 | |

Samples were received on ice at a temperature of 6 degrees Celsius.

Approved By _____



Phone: 814-236-3540 Fax: 814-236-1952

Email info@mahaffeylaboratory.com www.mahaffeylaboratory.com

Certificate of Analysis

Steve Keller **DMS Environmental Services**

> Project Lockard-Indiana 09-398

Lab Sample No.: 912002-003

Client Sample ID: Disp-02[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009

Date Reported 12/11/2009

| Test | Method | Result | Reporting Limit | Units | Analyst | Test Date | QIf. | |
|--|-------------------|--------|--------------------|-------|---------|-----------|------|--|
| GC Diesel Fuel, Fuel Oll No.2 - New Sites - Soil | | | | | | | | |
| Benzene | SW 846-5035/8260B | 1.1 | 0.020 | mg/kg | PW | 12/7/2009 | | |
| Toulene | SW 846-5035/8260B | 0.030 | 0.020 | mg/kg | PW | 12/7/2009 | | |
| Ethyl Benzene | SW 846-5035/8260B | 0.75 | 0.020 | mg/kg | PW | 12/7/2009 | | |
| Cumene (isopropyibenzene) | SW 846-5035/8260B | 0.58 | 0.020 | mg/kg | PW | 12/7/2009 | | |
| Naphthalene | SW 846-5035/8260B | 2.1 | 0.020 | mg/kg | PW | 12/7/2009 | | |
| MTBE | SW 846-5035/8260B | 0.65 | 0.020 | mg/kg | PW | 12/7/2009 | | |
| Trimethyl benzene, 1,2,4- | SW 846-5035/8260B | 4.2 | 0.020 | mg/kg | PW | 12/7/2009 | | |
| Trimethyl benzene, 1,3,5 | SW 846-5035/8260B | 1.5 | 0.020 | mg/kg | PW | 12/7/2009 | | |

Samples were received on ice at a temperature of 6 degrees Celsius.

Approved By



Phone: 814-236-3540 Fax: 814-236-1952

Email info@mahaffeylaboratory.com www.mahaffeylaboratory.com

Certificate of Analysis

Steve Keller **DMS Environmental Services**

> Project Lockard-Indiana 09-398

Lab Sample No.: 912002-004

Client Sample ID: Disp-01[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009 Date Reported 12/11/2009

| Test | Method | Result | Reporting Limit | Units | Analyst | Test Date | QIf. |
|-------------------------------------|-------------------|--------|--------------------|-------|---------|-----------|------|
| GC Unleaded Gasoline - New List - S | Soil | | | | | | |
| Benzene | SW 846-5035/8260B | 1.9 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Toluene | SW 846-5035/8260B | 0.79 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Ethyl Benzene | SW 846-5035/8260B | 21 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Xylenes, (total) | SW 846-5035/8260B | 7.7 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Cumene (Isopropylbenzene) | SW 846-5035/8260B | 3.5 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Naphthalene | SW 846-5035/8260B | 13 | 0.020 | mg/kg | , PW | 12/7/2009 | |
| MTBE (Methyl tert-Butyl Ether) | SW 846-5035/8260B | 0.025 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Trimethyl benzene, 1,2,4- | SW 846-5035/8260B | 10 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Trimethyl benzene, 1,3,5- | SW 846-5035/8260B | 3.2 | 0.020 | mg/kg | PW | 12/7/2009 | |
| | | | | | | | |

Samples were received on ice at a temperature of 6 degrees Celsius.

Approved By ____

Rich McCracken



Phone: 814-236-3540 Fax: 814-236-1952

Email info@mahaffeylaboratory.com www.mahaffeylaboratory.com

Certificate of Analysis

Steve Keller DMS Environmental Services

Project Lockard-Indiana 09-398

Lab Sample No.: 912002-005

Client Sample ID: PL-01[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009
Date Reported 12/11/2009

Reporting Test Method Result Units Analyst **Test Date** QIf. Limit GC Diesel Fuel, Fuel Oil No.2 - New Sites - Soil Benzene SW 846-5035/8260B <0.020 0.020 mg/kg PW 12/7/2009 Toulene SW 846-5035/8260B <0.020 0.020 PW mg/kg 12/7/2009 Ethyl Benzene SW 846-5035/8260B < 0.020 0.020 PW mg/kg 12/7/2009 Cumene (Isopropylbenzene) SW 846-5035/8260B <0.020 0.020 PW mg/kg 12/7/2009 Naphthalene SW 846-5035/8260B < 0.020 12/7/2009 0.020 mg/kg PW MTBE SW 846-5035/8260B <0.020 0.020 mg/kg PW 12/7/2009 Trimethyl benzene, 1,2,4-SW 846-5035/8260B < 0.020 0.020 mg/kg PW 12/7/2009 Trimethyl benzene, 1,3,5 SW 846-5035/8260B < 0.020 0.020 mg/kg 12/7/2009 Reporting Method Result Test Units Analyst **Test Date** Olf. Llmit GC Unleaded Gasoline - New List - Soll < 0.020 Benzene SW 846-5035/8260B 0.020 mg/kg PW 12/7/2009 Toluene SW 846-5035/8260B < 0.020 0.020 mg/kg PW 12/7/2009 Ethyl Benzene SW 846-5035/8260B <0.020 0.020 mg/kg PW 12/7/2009 Xylenes, (total) SW 846-5035/8260B <0.020 0.020 mg/kg PW 12/7/2009 Cumene (Isopropylbenzene) SW 846-5035/8260B < 0.020 0.020 mg/kg PW 12/7/2009 Naphthalene SW 846-5035/8260B < 0.020 0.020 mg/kg PW 12/7/2009 MTBE (Methyl tert-Butyl Ether) < 0.020 0.020 SW 846-5035/8260B mg/kg PW 12/7/2009 SW 846-5035/8260B Trimethyl benzene, 1,2,4-< 0.020 0.020 12/7/2009 mg/kg PW Trimethyl benzene, 1,3,5-SW 846-5035/8260B < 0.020 0.020 mg/kg PW 12/7/2009



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Certificate of Analysis

Steve Keller DMS Environmental Services

Project Lockard-Indiana 09-398

Lab Sample No.: 912002-005

Client Sample ID: PL-01[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009

Date Reported 12/11/2009

Samples were received on ice at a temperature of 6 degrees Celsius.

Approved By Carlton Mc (racheng)



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Certificate of Analysis

Steve Keller **DMS Environmental Services**

> **Project** Lockard-Indiana 09-398

Lab Sample No.: 912002-006

Client Sample ID: PL-02[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009

Date Reported 12/11/2009

| Test | Method | Result | Reporting Limit | Units | Analyst | Test Date | QIf. |
|--|-------------------|--------|--------------------|----------------|---------|-----------|------|
| GC Diesel Fuel, Fuel Oil No.2 - New Sites - Soil | | | | | | | |
| Benzene | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Toulene | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Ethyl Benzene | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Cumene (Isopropylbenzene) | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Naphthalene | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| MTBE | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Trimethyl benzene, 1,2,4- | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Trimethyl benzene, 1,3,5 | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Test | Method | Result | Reporting Limit | Units | Analyst | Test Date | QIf. |
| GC Unleaded Gasoline - New List - S | | | | | | | |
| Benzene | SW 846-5035/8260B | <0.020 | 0.020 | m g /kg | PW | 12/7/2009 | |
| Toluene | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | ΡW | 12/7/2009 | |
| Ethyl Benzene | SW 848-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Xylenes, (total) | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Cumene (Isopropylbenzene) | SW 846-5035/8260B | <0.020 | 0.020 | mg/k g | PW | 12/7/2009 | |
| Naphthalene | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| MTBE (Methyl tert-Butyl Ether) | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Trimethyl benzene, 1,2,4- | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| Trimethyl benzene, 1,3,5- | SW 846-5035/8260B | <0.020 | 0.020 | mg/kg | PW | 12/7/2009 | |
| | | | | | | | |



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Certificate of Analysis

Steve Keller DMS Environmental Services

Project Lockard-Indiana 09-398

Lab Sample No.: 912002-006

Client Sample ID: PL-02[3]

Matrix: Soil

Date Received 12/1/2009

Date Sampled 11/25/2009

Date Reported 12/11/2009

Samples were received on ice at a temperature of 6 degrees Celsius.

Approved By Carlton Mc Cacheng

Page 8 of 8

aboratory Mahaffey

CHAIN OF CUSTODY

'ev 09-30-09

CURWENSVILLE, PA 16833

FAX: 814-236-1952 EMAIL: INFO@MAHAFFEYLABORATORY.COM

RUSH

~~ **

PHONE: 814-553-6920 PROJECT NO.: 69-398 PROJECT MANAGER: STEUL KEILER PROJECT NAME: (oc Kaid . Indiana

PHONE: 814-553-1185 PHONE: 814-553-0920 Mr. Stephen B. Kelter

FIELD MANAGER:

COMPANY DMS Environmental Services, LLC

REPORT TO: Project Manager

103 South Spring Street

ADDRESS

Bellefonte, PA 16823

Project Manager same as above same as above

COMPANY ADDRESS

Please note any

other side and

check here.

comments on

SAMPLER(S): K. Larsav PWSID#: (IF APPLICABLE)

New Short List

Project Manager; John Nicholas

Email Results:

Check One:

of Containers

HZ - Hazardous

SW - Surface Water SL - Sludge XX

Sample Type (write code in sample type)

DW - Drinking Water GW - Ground Water SO - Soil

WW - Wastewater

Lab Use Only

Project ID#

Composite

Grab

Sample Type

Time

Collected 11/25/09

Sample ID Dr. D. of [3] DISD 43 [3] Disp. 42 [2] Dies el [3]

912002 -001 -007 -003

Date

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165 (35) 1145

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S 20 8

> 7005 1155

> > 11/35/69

PL-01 [3] Acol [3]

100-

11/35/69 11/35/69 11(45/09 11/35/69

Old Short List

Analysis to be Performed

Pres. Code

1-4 deg. 2-HNO₃

3-HCL

Pres. Code 8-Other

4-H2SO4 5-NaOH

Custody Seals Intact? if Applicable

PLEASE COMPLETE THE FOLLOWING INFORMATION TO RELINQUISH SAMPLE TO MAHAFFEY LABORATORY, LTD. Seal Id#

, se X

Container Temperature (C. C. On Ice (Yes

Shaded Areas for Laboratory Use Only

Method of Delivery

Meand Delivery ☐ UPS ☐ Lab Courter
 ☐ US Mail ☐ FedEx ☐ Other

Leaked/Broken

6/22/2010 9:01:28 AM

Refinquished By: Relinquished By:

Sample Receipt Evaluation

13/61/09- 2645

Date/Time Date/Time

Date/Time

Date/Time

Date/Time 12-1 06 45-

Kluera L

Received By: Received By: