

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IL PIT STOP, LLC,)	
)	
Petitioner,)	
)	
v.)	PCB 17-077
)	(UST Appeal)
ILLINOIS ENVIRONMENTAL)	
PROTECTION AGENCY,)	
)	
Respondent.)	

NOTICE OF FILING

To: Hearing Officer Carol Webb
Illinois Pollution Control Board
1021 North Grand Avenue East
P.O. Box 19274
Springfield, Illinois 62794-9274
Carol.Webb@Illinois.gov

Patrick D. Shaw
Law Office of Patrick D. Shaw
80 Bellerive Road
Springfield, IL 62704
pdshaw1law@gmail.com

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Pollution Control Board the Certificate of Record on Appeal and the accompanying documents comprising the entire record of the decision of the Illinois Environmental Protection Agency, a copy of which is herewith served upon you.

Respectfully submitted,

Dated: July 26, 2017

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY,

Scott B. Sievers
Attorney Registration No. 6275924
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
(217) 782-5544
Scott.Sievers@Illinois.gov

Respondent,

BY: /s/Scott B. Sievers
Scott B. Sievers
Special Assistant Attorney General

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IL PIT STOP, LLC,)
)
 Petitioner,)
)
 v.) PCB 17-077
) (UST Appeal)
 ILLINOIS ENVIRONMENTAL)
 PROTECTION AGENCY,)
)
 Respondent.)

CERTIFICATE OF RECORD ON APPEAL

Pursuant to 35 Ill. Adm. Code 105.116(b) and 105.410, the following constitutes an index of documents comprising the record:

PAGES	DOCUMENT	DATE
001-082	Chase Stage 3 Site Investigation Plan and Budget	12/30/2016
083-084	Illinois EPA E-mail to Chase	04/13/2017
085-086	Chase E-mail to Illinois EPA	04/13/2017
087-089	Chase E-mail to Illinois EPA	04/14/2017
090	Chase E-mail to Illinois EPA	04/14/2017
091	Chase E-mail to Illinois EPA	04/13/2017
092-098	Chase E-mail to Illinois EPA	04/14/2017
099-102	Chase E-mail to Illinois EPA	04/14/2017
103-106	Illinois EPA LUST Technical Review Notes	04/20/2017
107-117	Illinois EPA decision letter	04/28/2017

I, ERIC KUHLMAN, certify on information and belief that the entire record of the Respondent's decision, as defined in 35 Ill. Adm. Code 105.410(b), is hereby enclosed.

BY:



Eric Kuhlman
Project Manager/Environmental Protection Engineer
Leaking Underground Storage Tank Section
Illinois Environmental Protection Agency



Waste Management • Remediation • Drilling Services

0650205017 – Hamilton County
IL Pit Stop, LLC
Incident # 20130569
Leaking UST Technical File

December 28, 2016

Illinois Environmental Protection Agency
Bureau of Land
LUST Unit
P.O. Box 19276
Springfield, IL. 62794-9276

IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE

MAY 01 2017

RE: LPC# 0650205017 – Hamilton County
IL Pit Stop
211 East Randolph
IEMA # 20130569

REVIEWER: RDH
RECEIVED

DEC 30 2016

IEPA/BOL

Mr. Eric Kuhlman:

Enclosed please find one original and one copy of the Stage 3 Site Investigation Plan and Budget for the above referenced site.

Should you have any questions or need additional information, please contact Chase Environmental Group, Inc. at 618.533.6740.

Sincerely,

Chase Environmental Group, Inc.

Kelly Tensmeyer, LPG
Sr. Project Manager

Stage 3 Site Investigation Plan

LPC #0650205017 – Hamilton County
IL Pitstop, LLC
211 East Randolph
McLeansboro, IL 62859
LUST Incident #20130569

CEG Project # T1303020

RECEIVED
DEC 30 2016
IEPA/BOL

Prepared For:

IL Pitstop, LLC
PO Box 27
McLeansboro, IL 62859

Prepared By:

Chase Environmental Group, Inc.
PO Drawer AB
Centralia, Illinois 62801

November 2016



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 6/57 – 67.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 67.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Site Investigation Plan

A. Site Identification

IEMA Incident # (6- or 8- digit): 20130569 IEPA LPC # (10- digit): 0650205017

Site Name: IL Pitstop, LLC

Site Address (not a P.O. Box): 211 East Randolph

City: McLeansboro County: Hamilton Zip Code: 62859

Leaking UST Technical File

B. Site Information

1. Will the owner or operator seek payment from the Underground Storage Tank Fund? Yes No
2. If yes, is the budget attached? Yes No

C. Site Investigation

Provide the following:

1. Stage of investigation
 - a. Stage 2
 - b. Stage 3
2. Summary of Stage 1 or 2 site investigation activities;
3. Characterization of site and surrounding area:
 - a. Current and projected post-remediation uses;
 - b. Physical setting:
 - i. Environmental conditions;
 - ii. Geologic, hydrogeologic, and hydrologic conditions; and
 - iii. Geographic and topographic conditions;
4. Results of Stage 1 or 2 site investigation:
 - a. Map(s) showing locations of all borings and groundwater monitoring wells completed to date and groundwater flow direction;
 - b. Map(s) showing locations of all samples collected;
 - c. Map(s) showing extents of soil and groundwater contamination that exceeds the most stringent Tier 1 remediation objectives;
 - d. Cross-section(s) showing the geology and the horizontal and vertical extents of soil and groundwater contamination that exceeds the most stringent Tier 1 remediation objectives;
 - e. Analytical results, chain of custody forms, and laboratory certifications;

RECEIVED

DEC 30 2016

IEPA/BOL

- f. Table(s) comparing analytical results to the most stringent Tier 1 remediation objectives (include sample depth, date collected, and detection limits);
 - g. Potable water supply well survey (unless provided in previous plan):
 - i. Map(s) to scale showing:
 - a) Locations of community water supply wells and other potable wells and the setback zone for each well;
 - b) Location and extent of regulated recharge areas and wellhead protection areas;
 - c) Extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives; and
 - d) Modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives (if performed as part of site investigation);
 - ii. Table(s) listing the setback zones for each community water supply well and other potable water supply wells;
 - iii. A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified; and
 - iv. A certification from a Licensed Professional Engineer or Licensed Professional Geologist that the survey was conducted in accordance with the requirements and that documentation submitted includes information obtained as a result of the survey;
 - h. Soil boring logs and monitoring well construction diagrams;
 - i. Proposal for determining the following parameters:
 - i. Hydraulic conductivity (K);
 - ii. Soil bulk density (ρ_b);
 - iii. Soil particle density (ρ_s);
 - iv. Moisture content (w); and
 - v. Organic carbon content (f_{oc}); and
 - j. Budget forms of actual costs (documenting actual work performed during the previous stage).
5. Stage 2 or 3 sampling plan:
- a. Description of and justification for additional activities proposed as part of the plan;
 - b. A map depicting locations of proposed borings and groundwater monitoring wells; and
 - c. Depth of borings/wells and construction details of proposed borings and wells; and
6. Site maps meeting the requirements of 35 Ill. Adm. Code 734.440.

RECEIVED

DEC 30 2016

IEPA/BOL

Continue onto next page.

D. Signatures

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator

Name: IL Pitstop, LLC
 Contact: Roger Swartz
 Address: PO Box 27
 City: McLeansboro
 State: IL
 Zip Code: 62859
 Phone: 618-924-0599
 Signature: [Signature]
 Date: 12-20-16

Consultant

Company: Chase Environmental Group, Inc.
 Contact: Marvin Johnson
 Address: PO Box AB
 City: Centralia
 State: IL
 Zip Code: 62801
 Phone: 618-533-6740
 Signature: [Signature]
 Date: 12/28/16

I certify under penalty of law that all activities that are the subject of this report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

RECEIVED

DEC 30 2016

Licensed Professional Engineer or Geologist

Name: Kelly L. Tensmeyer
 Company: Chase Environmental Group, Inc.
 Address: PO Box AB
 City: Centralia
 State: IL
 Zip Code: 62801
 Phone: 618-533-6740
 Ill. Registration No.: 196-001293
 License Expiration Date: 03/31/2017
 Signature: [Signature]
 Date: 11-29-16

L.P.E. or L.P.G. Seal

EPA/BOL



TABLE OF CONTENTS

C. Site Investigation

3. Characterization of site and surrounding area
 - a. Current and projected post-remediation uses;
 - b. Physical Setting
 - i. Environmental conditions;
 - ii. Geologic, hydrogeologic, and hydrologic conditions; and
 - iii. Geographic and topographic conditions;
4. Results of Stage 1 or 2 Investigation:
 - a. Map(s) showing locations of all borings and groundwater monitoring wells completed to date and groundwater flow direction;
 - b. Map(s) showing locations of all samples collected;
 - c. Map(s) showing extents of soil and groundwater contamination that exceeds the most stringent Tier 1 remediation objectives;
 - d. Cross-section showing the geology and the horizontal and vertical extents of soil and groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - e. Analytical results, chain of custody forms, and laboratory certifications;
 - f. Table(s) comparing analytical results to the most stringent Tier 1 remediation objectives;³
 - g. Potable water supply well survey (unless provided in previous plan);
 - i. Map(s) to scale showing:
 - a) Locations of community water supply wells and other potable wells and the setback zone for each well
 - b) Location and extent of regulated recharge areas and wellhead protection areas;
 - c) Extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives; and
 - d) Modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - ii. Table(s) listing the setback zones for each community water supply well and other potable water supply wells;
 - iii. A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified; and
 - iv. A certification form a Licensed Professional Engineer or Licensed Professional Geologist that the survey was conducted in accordance with the requirements and the documentation submitted includes information obtained as a result of the survey;
 - h. Soil boring logs and monitoring well construction diagrams;
 - i. Proposal for determining the following parameters:
 - i. Hydraulic Conductivity (K);
 - ii. Soil bulk density (ρ_b);
 - iii. Soil particle density (ρ_s);
 - iv. Moisture content (w); and
 - v. Organic carbon content (f_{oc}); and
 - j. Budget forms of actual costs (documenting actual work performed during the previous stage).

RECEIVED

DEC 30 2016

EPA/BOL

TABLE OF CONTENTS (Continued)

5. Stage 2 or 3 sampling plan
 - a. Description of and justification for additional activities proposed as part of the plan;
 - b. A map depicting locations of proposed borings and groundwater monitoring wells; and
 - c. Depth of borings/wells and construction details of proposed borings and wells; and
6. Site maps meeting the requirements of 35 Ill. Adm. Code 734.440.

Tables:

- Table 1: Early Action Soil Analytical Results
Table 2: Site Investigation Soil Analytical Results
Table 3: Site Investigation Groundwater Analytical Results

Figures:

- Figure 1: Early Action Sample Locations
Figure 2: Site Investigation Sample Locations
Figure 3: Groundwater Flow Map
Figure 4: Estimated Soil Contamination
Figure 5: Estimated Groundwater Contamination

Appendices:

- Appendix A: Boring Logs
Appendix B: Well Completion Form
Appendix C: Laboratory Reports, Chain of Custody Form & Laboratory Certification
Appendix D: Sanders Property Access Agreement
Appendix E: Stage 2 Site Investigation Actual Cost Summary
Appendix F: Stage 3 Site Investigation Budget
Appendix G: OSFM Eligibility and Deductibility Determination Letter

**Stage 3 Site Investigation Plan
IL Pitstop, LLC
McLeansboro, Illinois
Incident #20130569**

C. Site Investigation

3. Characterization of site and surrounding area:

a. Current and projected post-remediation uses;

The subject property is currently operating as a gas station/convenience store. There are no immediate plans to develop/redevelop the property.

b. Physical Setting

i. Environmental conditions;

The quantity of gasoline released from a 2,000 gallon gasoline underground storage tank (UST) formerly operated at the IL Pitstop, LLC, 211 East Randolph, McLeansboro, Illinois facility is unknown. The release was reported to the Illinois Emergency Management Agency (IEMA) on May 15, 2013 and was assigned IEMA #20130569. The UST was decommissioned on June 10, 2013 in the presence of Office of the State Fire Marshall (OSFM) representative, Louis Hertter. Closure samples were collected from the walls and floor of the excavation for comparison to Tier 1 Residential soil remediation objectives (ROs).

Laboratory analyses confirmed contaminant concentrations exceeding Tier 1 Residential Soil Component of the Groundwater Ingestion Exposure Route soil ROs at sample locations W-2, PI-1B, PI-3A, PI-3B, PI-4A and PI-4B. The benzene concentration confirmed at soil sample locations PI-1B and PI-3A also exceeded the Tier 1 Outdoor Inhalation RO. Early Action sample locations are identified in Figure 1.

Analytical results of soil samples collected during the July 2015 Stage 1 Site Investigation indicate the Tier 1 Residential benzene soil RO may be exceeded at the property boundary west of the north pump island and Early Action boring location PI-4. As a result of sample dilution by the laboratory, the benzene and MTBE reporting limits (RLs) specific to soil sample BH-8A collected at 2.5' below ground surface (bgs) at boring location BH-8 (advanced adjacent to the west property boundary) exceed the Tier 1 Residential soil ROs. It should be noted that analyses of soil samples PI-4 and BH-7A did not require sample dilution and MTBE was not detected at either sample point. Therefore, based on a comparison of the MTBE concentration confirmed at Early Action sample location PI-4 to that confirmed at Stage 1 Site Investigation sample locations BH-7A and BH-8A, it is reasonable to conclude that the actual MTBE concentration at sample location BH-8A does not exceed the Tier 1 Residential soil RO.

Stage 3 Site Investigation Plan
IL Pitstop, LLC
IEMA #20130569
Page 2

Unfortunately, a similar comparison does not support the same conclusion in regard to the potential benzene impact to unsaturated soil at boring location BH-8.

Based on the location of the borings and monitoring wells advanced/installed during Early Action and Stage 1 Site Investigation activities compared to that of the former tankhold, product lines, dispensers and property boundaries, it was concluded that the extent of groundwater contamination exceeding Class 1 Groundwater Standards as a result of IEMA #20130569 does not extend beyond the site property boundaries. Furthermore, the only potential off-site impact to unsaturated soil exceeding Tier 1 Residential soil objectives appeared to be in the vicinity of the Stage 1 Site Investigation boring BH-8 advanced adjacent to the west property boundary. As a result, IL Pitstop, LLC concluded that additional on-site investigation (i.e., a Stage 2 Site Investigation) was not necessary and submitted a Stage 3 Site Investigation Plan proposing activities necessary to confirm the extent of benzene impact to the adjoining property west of the IL Pitstop, LLC site for IEPA review/approval on October 9, 2016.

In a letter dated February 9, 2016, it appears IEPA attempted to modify the Stage 3 Site Investigation Plan by requiring a Stage 2 Site Investigation after allowing the 120 day review period to expire. Since the October 2015 Stage 3 Site Investigation Plan is considered rejected by operation of law (i.e., IEPA's attempt to modify the plan was made more than 120 days following its submittal), a Stage 2 Site Investigation Plan was submitted in response to the IEPA directive to complete additional on-site soil and groundwater investigation as described in its February 9, 2016 letter.

In accordance with the February 9, 2016 IEPA directive, six (6) additional soil borings were proposed be advanced in areas south of boring locations PI-1 and BH-2, north and south of boring location BH-8, west of boring location BH-1 and between the two (2) on-site buildings. In addition, a monitoring well was to be installed between the two (2) on-site buildings. It was IEPA's opinion that this scope of work is necessary to "define the extent of soil contamination in the northern portion of the subject property" and "the extent of groundwater contamination beneath the site". It was noted in the Stage 2 Site Investigation Plan that a UST system has been installed east of the northern building. USTs, a new pump island, product lines, electrical conduit and a leak detection system are located between the northern building and the east property boundary. As a result, it was anticipated that at least one (1) of the IEPA-required borings in this area would have to be eliminated to avoid damaging the existing UST system.

IEPA approved the Stage 2 Site Investigation Plan on May 20, 2016. However, IEPA modified the proposed Stage 2 Budget by reducing the Ground Penetrating Radar (GPR) Operating Technician rate to that of a Technician I as defined by Illinois Administrative Code (IAC) Section 734 Subpart H (i.e., Maximum Payment Amounts). Use of GPR was proposed to locate the buried utilities and components of the operating UST system between the two (2) on-site buildings and between the store building and operating UST system in an effort to satisfy IEPA's directive to collect additional soil and groundwater samples in these areas. Although the May 20, 2016 IEPA decision approved the use of GPR, the

Stage 3 Site Investigation Plan
IL Pitstop, LLC
IEMA #20130569
Page 3

modification to the Stage 2 Site Investigation Budget caused the actual use/benefit of the technology to be cost prohibitive. As a result, IEPA and IL Pit Stop, LLC agreed upon an alternative location for the monitoring well south of the southernmost on-site building and adjacent to the south property boundary with the understanding that doing so may require gaining access to the adjoining property and installing the well as part of the Stage 3 Site Investigation.

Stage 2 Site Investigation soil borings BH-9 through BH-12 were completed on September 13, 2016. Mr. Roger Swartz, IL Pit Stop, LLC was also on-site. Mr. Swartz expressed significant concern regarding the advancement of the proposed boring between the east side of the store building and the operating UST as the underground vent lines, electrical conduit and leak detection system are located in this area. As anticipated, this boring location was eliminated from the Stage 2 Site Investigation.

It was also observed on this date that the alternative monitoring well location would allow for the on-site installation of monitoring well MW-6. However, due to the close proximity of the building to the south property boundary, the equipment necessary to collect soil cores needed to complete a Boring Log and the Stage 2 Site Investigation soil sampling and to install monitoring well MW-6 would have to travel on the adjoining property to access the alternative location. As a result, BH-13/MW-6 could not be completed on September 13, 2016.

One (1) soil sample was collected from each 5' interval as the borings progressed in accordance with the Stage 2 Site Investigation Plan. Soil samples collected above the depth at which groundwater was encountered during drilling were retained for BTEX and MTBE laboratory analyses. The soil samples were screened on-site for hydrocarbon content using a photoionization detector. The samples were contained in properly persevered sample vials and shipped to the laboratory in an iced cooler to control sample temperature. Unfortunately, the soil samples were delivered to the laboratory three (3) days later than anticipated. As a result, sample temperatures exceeded 6° Celsius upon arrival at the laboratory and the samples had to be discarded.

Research of property records at the Hamilton County Courthouse identified Harry and Debra Sanders as Owners of the adjoining property south of the IL Pit Stop, LLC site. Upon negotiating access to the adjoining property, Chase Environmental Group, Inc. (Chase) returned to the site on October 21, 2016 to complete soil boring BH-13 and install monitoring well MW-6. Soil borings BH-9 thru BH-12 were also re-sampled on this date.

Monitoring well MW-6 was developed on October 24, 2016 by purging at least three (3) casing volumes of groundwater from the well. A groundwater sample was collected from monitoring well MW-6 for laboratory analyses on October 25, 2016. Well risers were also surveyed on this date such that relative riser and groundwater elevations could be calculated and MW-6 added as a data point in the determination of groundwater flow direction and gradient.

Laboratory analyses of all Stage 2 Site Investigation soil and groundwater samples confirmed contaminant concentrations below Tier 1 Residential soil ROs and Class

Stage 3 Site Investigation Plan
IL Pitstop, LLC
IEMA #20130569
Page 4

I Groundwater Standards. Results of the Stage 2 Site Investigation confirm groundwater contamination resulting from IEMA #20130569 has not migrated beyond the IL Pit Stop, LLC property boundaries and reiterates the previous conclusion that the only potential off-site impact to unsaturated soil exceeding Tier I Residential soil objectives appears to be in the vicinity of the Stage 1 Site Investigation boring BH-8 advanced adjacent to the west property boundary.

Early Action and Site Investigation sample locations are identified in Figures 1 and 2, respectively. Stage 2 Site Investigation Boring Logs are included in Appendix A. The MW-6 Well Completion Form is included in Appendix B. The Laboratory Reports, Chain of Custody form and Laboratory Certification are included in Appendix C. A copy of the Property Access Agreement negotiated with Harry and Debra Sanders is included in Appendix D.

ii. Geologic, hydrogeologic, and hydrologic conditions; and

The IL Pitstop, LLC site is located within a geologic sequence defined by Berg's "Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes" Map as type F. Type F is defined as "Shale or relatively impermeable limestone within 20' of the surface; possibly overlain with till or other fine-grained materials." Laboratory analyses of a soil sample collected using a Shelby Tube has confirmed the following physical soil characteristics:

Bulk Density:	104.7 pcf
Specific Gravity:	2.65
Moisture Content:	23.6%

Sieve size analysis results of the soil obtained from the Shelby Tube were correlated to the USDA Soil Classification System with the soil being classified as a Silt Loam.

Laboratory analyses confirm IEMA #20130569 has impacted groundwater quality in the vicinity of monitoring well MW-5 and that the impact does not extend beyond the site property boundaries. A pump test was completed at groundwater monitoring well MW-3 to determine the hydraulic conductivity at the site. The Bouwer & Rice Method was utilized to determine the hydraulic conductivity to be 9.44×10^{-5} cm/sec.

Based on the analysis of soil sample BH-8A, a Stage 3 Site Investigation is necessary to better quantify the potential impact to adjoining property west of the IL Pitstop, LLC site as a result of IEMA #20130569.

iii. Geographic and topographic conditions;

The area surrounding the site is a mixture of residential and commercial properties. The surface gradient at the IL Pitstop, LLC site is primarily east-southeast.

Stage 3 Site Investigation Plan
IL Pitstop, LLC
IEMA #20130569
Page 5

4. Results of Stage 2 Investigation:

- a. Map(s) showing locations of all borings and groundwater monitoring wells completed to date and groundwater flow direction;**

Figure 1 identifies the Early Action sample locations. Figure 2 identifies the locations of all soil borings and groundwater monitoring wells completed during the Stage 1 and Stage 2 Site Investigations and the borings proposed in this Stage 3 Site Investigation Plan. Groundwater elevations and flow direction are identified in Figure 3.

- b. Map(s) showing locations of all samples collected;**

Please refer to Figures 1 and 2.

- c. Map(s) showing extents of soil and groundwater contamination that exceed the most stringent Tier 1 remediation objectives;**

The extent of soil contamination exceeding Tier 1 Residential soil ROs is estimated in Figure 4 based upon current subsurface investigational results. The extent of groundwater contamination exceeding Class I Groundwater Standards based upon current groundwater sampling activities is estimated in Figure 5.

- d. Cross-section(s) showing the geology and the horizontal and vertical extents of soil and groundwater contamination that exceeds the most stringent Tier 1 remediation objectives;**

A geologic cross-section depicting the horizontal and vertical extent of soil and groundwater contamination will be provided in the Site Investigation Completion Report (SICR) upon completion of the Stage 3 Site Investigation west of the IL Pit Stop, LLC site.

- e. Analytical results, chain of custody forms, and laboratory certifications;**

Laboratory reports, chain of custody forms, and laboratory certifications specific to the analysis of soil and groundwater samples collected during the Stage 2 Site Investigation are included in Appendix C.

- f. Table(s) comparing analytical results to the most stringent Tier 1 remediation objectives;**

Table 1: Early Action Soil Analytical Results
Table 2: Site Investigation Soil Analytical Results
Table 3: Site Investigation Groundwater Analytical Results

Stage 3 Site Investigation Plan
IL Pitstop, LLC
IEMA #20130569
Page 6

g. Potable water supply well survey (unless provided in previous plan);

i. Map(s) to scale showing:

- a) Locations of community water supply wells and other potable wells and the setback zone for each well;**

Please refer to the *45-Day Report*.

- b) Location and extent of regulated recharge areas and wellhead protection areas;**

Please refer to the *45-Day Report*.

- c) Extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives; and**

Please refer to Figure 5.

- d) Modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;**

Contaminant transport models designed to estimate the potential migratory extent of groundwater contamination exceeding Class I Groundwater Standards will be completed once the full extent of the environmental impact resulting from IEMA #20130569 has been defined.

- ii. Table(s) listing the setback zones for each community water supply well and other potable water supply wells;**

Please refer to the *45-Day Report*.

- iii. A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified; and**

Please refer to the *45-Day Report*.

- iv. A certification form a Licensed Professional Engineer or Licensed Professional Geologist that the survey was conducted in accordance with the requirements and the documentation submitted includes information obtained as a result of the survey;**

Please refer to the *45-Day Report*.

b. Soil boring logs and monitoring well construction diagrams;

Soil boring logs relative to the Stage 2 Site Investigation borings are included in Appendix A. The Well Completion Report documenting the construction of monitoring well MW-6 is included in Appendix B.

Stage 3 Site Investigation Plan
IL Pitstop, LLC
IEMA #20130569
Page 7

i. Proposal for determining the following parameters:

i. Hydraulic Conductivity (K);

A pump test was completed on July 31, 2015 to determine the hydraulic conductivity at the site. The hydraulic conductivity was calculated using the Bouwer & Rice Method with a result of 9.44×10^{-5} cm/sec.

ii. Soil bulk density (ρ_b);

A soil bulk density of 104.7 pcf or 1.68 g/cm^3 was determined by laboratory analysis of the soil sample (ST-1) collected using a Shelby Tube.

iii. Soil particle density (ρ_s);

Physical analysis as confirmed a soil particle density of 2.65.

iv. Moisture content (w); and

The moisture content of the ST-1 soil sample was 23.6%.

v. Organic carbon content (f_{oc}); and

Laboratory analysis of the BH-5B soil sample has determined a fractional organic carbon content of 0.56% or 0.0056 g/g.

j. Budget forms of actual costs (documenting actual work performed during the previous stage).

A summary of the costs incurred to complete the Stage 2 Site Investigation are included in Appendix E.

5. Stage 3 sampling plan

a. Description of and justification for additional activities proposed as part of the plan;

Laboratory analyses indicate Tier I Residential soil ROs are exceeded at Site Investigation soil boring locations BH-7 and BH-8. In addition, Class I Groundwater Standards are exceeded at monitoring well location MW-5.

As part of a Stage 3 Site Investigation, one (1) soil boring will be advanced on adjoining property adjacent to the IL Pit Stop, LLC west property boundary in an effort to define the extent of soil contamination west of boring location BH-8.

Based on the soil conditions encountered during Early Action and the Stage 1 & 2 Site Investigations, it is anticipated that the proposed Stage 3 soil boring will not be advanced beyond 10' below ground surface (bgs). One (1) soil sample will be collected from each unsaturated 5' interval as the proposed borings are advanced. The soil samples will be shipped to a NELAP accredited laboratory for BTEX and MTBE analyses.

Stage 3 Site Investigation Plan
IL Pitstop, LLC
IEMA #20130569
Page 8

Based on the results of the Stage 1 & 2 Site Investigations, the proposed Stage 3 Site Investigation does not include additional groundwater investigation activities.

Refer to Figure 2 for the proposed location of the Stage 3 Site Investigation soil boring. The estimated costs to complete the proposed Stage 3 Site Investigation are summarized in Appendix F. A copy of the IL Pitstop, LLC OSFM Eligibility and Deductibility Determination Letter is included in Appendix G.

- b. A map depicting locations of proposed borings and groundwater monitoring wells; and**

Refer to Figure 2 for the location of the proposed Stage 3 Site Investigation soil borings.

- c. Depth of borings/wells and construction details of proposed borings and wells; and**

Soil cores will be collected at the proposed soil boring locations utilizing direct push technology and 1 1/2" X 5' continuous sampling tubes or equivalent drilling equipment. The boring will be geologically logged on the IEPA's standardized boring log or a similar format which includes all information required on the IEPA's standardized log. Detailed field descriptions/observations of the soils encountered during drilling will be documented on the boring log. Soil constituents, consistency, color, moisture, and any odors will be noted. Sand and/or gravel lenses/seams will be recorded if documented at one inch or more in thickness.

- 6. Site maps meeting the requirements of 35 Ill. Adm. Code 734.440.**

- Figure 1: Early Action Sample Locations
- Figure 2: Site Investigation Boring & Well Locations
- Figure 3: Groundwater Flow Direction
- Figure 4: Estimated Soil Contamination Plume
- Figure 5: Estimated Groundwater Contamination Plume

IL Pitstop, LLC
 McLeansboro, IL
 IEMA #20130569

TABLE 1
Early Action Excavation Closure Soil Analytical Summary

results reported in mg/kg

Location	Depth	Date	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE
Tier I Residential Objectives	--	--	0.03	13	12	5.6^{CR}	0.32
W-1	7'	6/11/13	<0.0009	<0.0044	<0.0044	<0.0044	<0.0017
W-2	7'	6/11/13	<0.0801	<0.401	<0.401	<0.401	<0.160
W-3	7'	6/11/13	<0.0275	<0.137	<0.137	<0.137	<0.055
W-4	7'	6/11/13	0.0065	<0.0047	<0.0047	0.0127	<0.0019
F-1	10'	6/11/13	<0.0206	<0.103	<0.103	<0.103	<0.0412
F-2	10'	6/11/13	<0.0206	<0.103	<0.103	<0.103	<0.0412
PI-1A	3'	6/13/15	0.003	<0.0046	<0.0046	<0.0046	0.0695
PI-1B	7'	6/13/15	6.91	33.8	<11.6	146	<4.63
PI-2A	3'	6/13/15	0.0034	<0.0047	<0.0047	<0.0047	0.0334
PI-2B	7'	6/13/15	0.0106	<0.0044	<0.0044	<0.0044	0.013
PI-3A	3'	6/13/15	2.76	33.9	<9.7	14.2	<3.88
PI-3B	7'	6/13/15	0.128	0.195	<0.107	<0.107	<0.0424
PI-4A	3'	6/13/15	0.303	<0.106	<0.106	0	<0.0424
PI-4B	7'	6/13/15	0.788	0.881	0.209	2.55	<0.0481

Shading and Bold - Exceeds Tier I Residential Objective

IL Pistop, LLC
 McLeansboro, IL
 IEMA #20130569

TABLE 2
Site Investigation Soil Analytical Summary

results reported in mg/kg

Location	Depth	Date	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE
Tier I Residential Objectives	—	—	0.03	13	12	5.6^{CW}	0.32
BH-1A	2.5'	7/22/15	0.0038	ND	ND	0.0015	ND
BH-1B	7.5'	7/22/15	0.0048	0.001	0.0041	0.0058	ND
BH-2A	2.5'	7/22/15	0.0011	ND	0.0013	0.0013	0.0025
BH-2B	6.0'	7/22/15	ND	ND	ND	ND	0.0006
BH-3A	2.5'	7/22/15	0.0013	ND	0.0024	0.0014	0.0024
BH-4A	2.5'	7/22/15	ND	ND	ND	ND	ND
BH-5A	2.5'	7/22/15	ND	ND	ND	ND	ND
BH-5B	6.0'	7/22/15	ND	ND	0.0019	0.001	ND
BH-6A	2.5'	7/22/15	0.0023	ND	0.0012	0.0059	0.0086
BH-6B	6.0'	7/22/15	0.0008	ND	ND	0.0013	0.0147
BH-7A	2.5'	7/22/15	0.103	0.079	0.068	0.183	ND
BH-8A	2.5'	7/22/15	<0.189	<0.947	<0.947	0.38	<0.379
BH-9A	2.5'	10/21/16	0.0012	<0.0052	<0.0052	<0.0052	<0.0021
BH-9B	7'	10/21/16	<0.0008	<0.004	<0.004	<0.004	<0.0016
BH-10	3'	10/21/16	<0.0009	<0.0043	<0.0043	<0.0043	<0.0017
BH-11A	3'	10/21/16	<0.0008	<0.0038	<0.0038	<0.0038	<0.0015
BH-11B	5.5'	10/21/16	<0.0007	<0.0037	<0.0037	<0.0037	<0.0015
BH-12	3'	10/21/16	<0.0009	<0.0043	<0.0043	<0.0043	<0.0017
BH-13	3'	10/21/16	<0.0011	<0.0056	<0.0056	<0.0056	<0.0022

ND - Not Detected at Reporting Limit Below Tier I Residential Objective

Shading and Bold - Exceeds Tier I Residential Objective

CW - Construction Worker Inhalation Soil Objective

pH - 6.78 at BH-8A

Foc - 0.56 wt% at BH-5B

IL Pitstop, LLC
McLeansboro, IL
IEMA #20130569

TABLE 3
Site Investigation Groundwater Analytical Summary
results reported in mg/L

Location	Date	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE
Class I Standards	-	0.005	0.7	1.0	10.0	0.07
MW-1	7/27/15	ND	ND	ND	ND	ND
MW-2	7/27/15	ND	ND	ND	ND	0.0032
MW-3	7/27/15	ND	ND	ND	ND	0.0010
MW-4	7/27/15	ND	ND	ND	ND	0.003
MW-5	7/27/15	2.40	0.721	0.039	3.0700	0.103
MW-6	10/25/16	ND	ND	ND	ND	0.0048

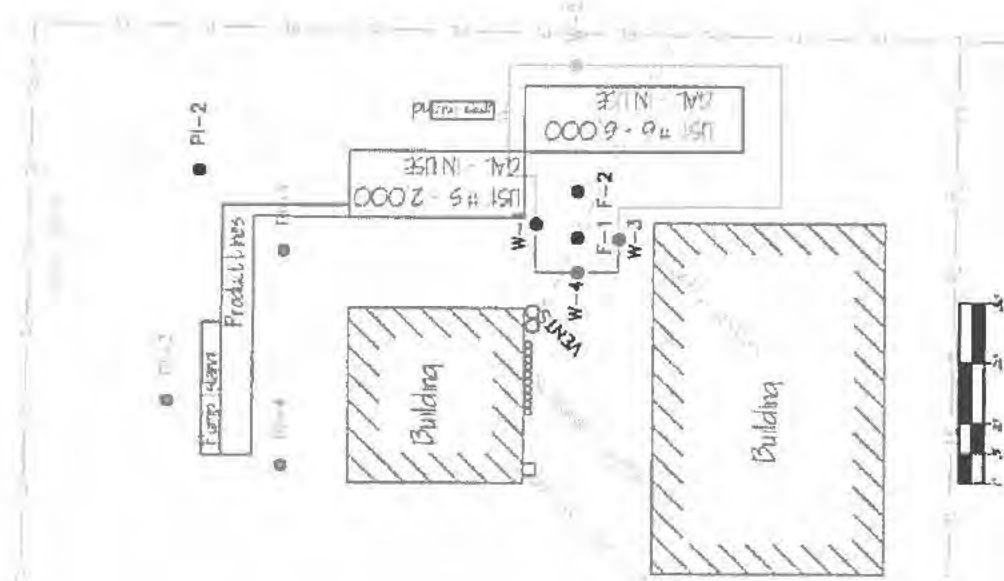
Shading and Bold - Exceeds Class I Groundwater Standard

Randolph

Undeveloped

Locust

Residential



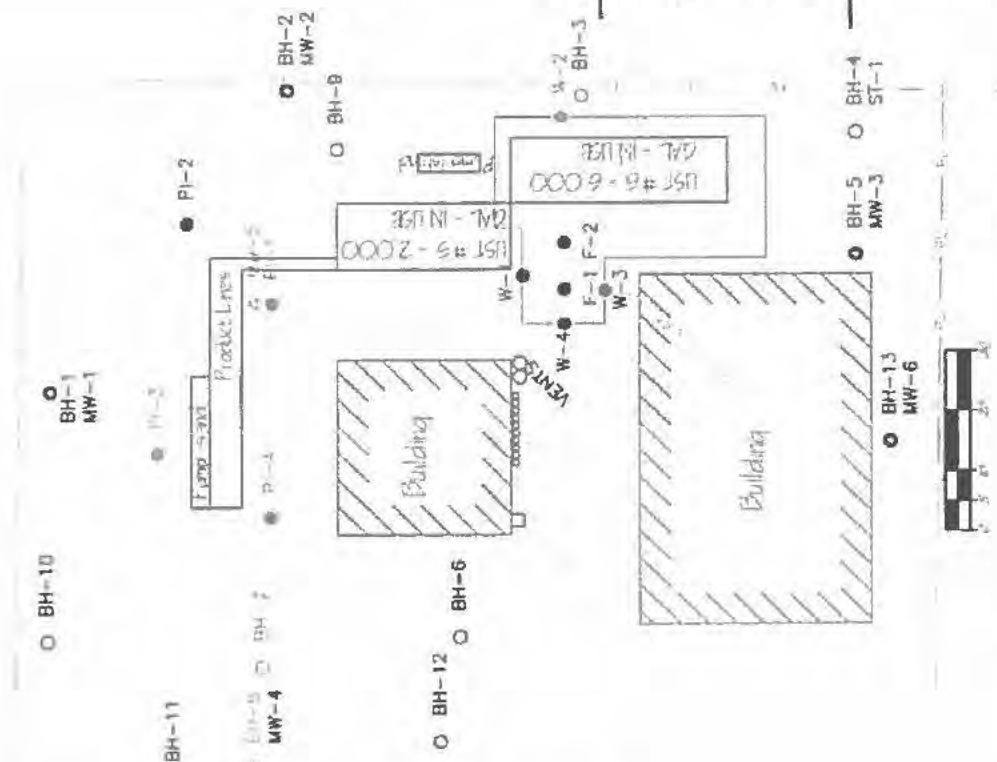
<p>CHASE Environmental Group</p>	PROJECT NAME:	IL PUMP LLC
	OWNER BY:	KT
	DRAWN BY:	KT
	DATE:	NOV 2016
PROJECT NO:		7230569
TITLE:		EA SITE MAP
DATE MADE:		SITE DWG
DRAWN BY:		FIGURE 1
SCALE:		SCALE 1"=30'
<p>LPC# 068020517 Hamilton County 211 E Randolph McLeansboro, IL LUST Incident #: 20130569</p>		
<p> <input type="checkbox"/> SOIL BORING-BH <input type="checkbox"/> MONITORING WELL-LW <input type="checkbox"/> MONITORING WELL WITH SOIL SAMPLING-BH/W <input type="checkbox"/> EARLY ACTION SAMPLE WITH TRENCH TEST LOG <input type="checkbox"/> EARLY ACTION EXCAVATION </p>		
<p> STAIR STEPS WATER MAIN TELEPHONE LINE UNDERGROUND ELECTRIC SANITARY SEWER GAS LINE PROPERTY LINE WATER LINE </p>		

Randolph

Residential

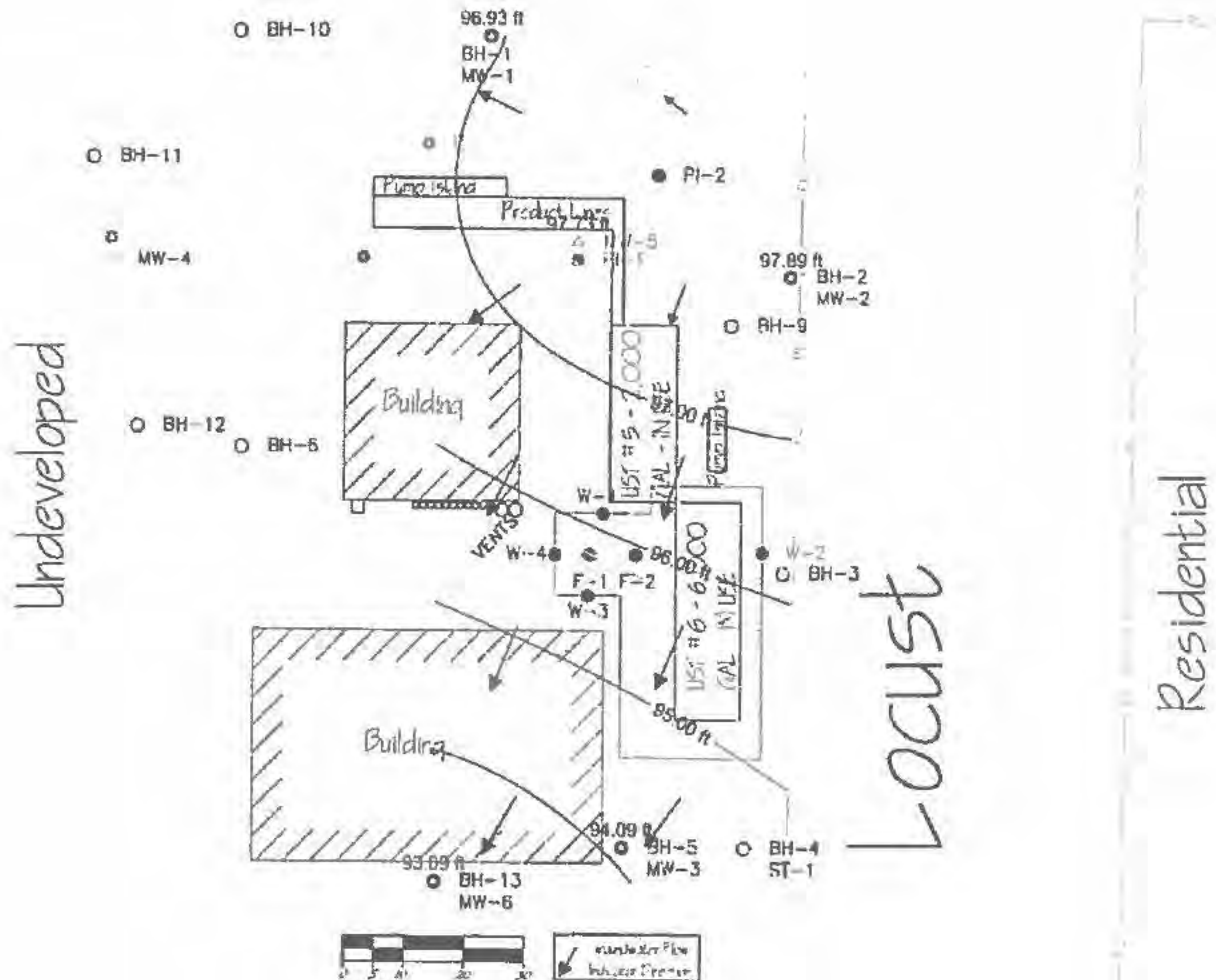
Locust

Undeveloped



PROJECT NAME IL Percy LLC		PROJECT NO. 7130569
OWNER BY KT		TITLE SITE MAP
CREATED BY		DWG. NAME SITE DWG
DATE NOV 2016		DWG. NO. FIGURE 2
SCALE SCALE 1"=30'		
CHASE Environmental Group		
I.P.C.# 065820517 Hamilton County 221 E. Randolph M.Leahy, II LOST Incident No.: 20130569		
LEGEND ○ SOIL BORING - BH ○ MONITORING WELL - MW ● EARLY ACTION SAMPLE □ PROPERTY LINE — TELEPHONE LINE — WATER LINE — GAS LINE — PROPERTY LINE — CONCRETE SLABING — UNDERGROUND UTILITIES		

Randolph



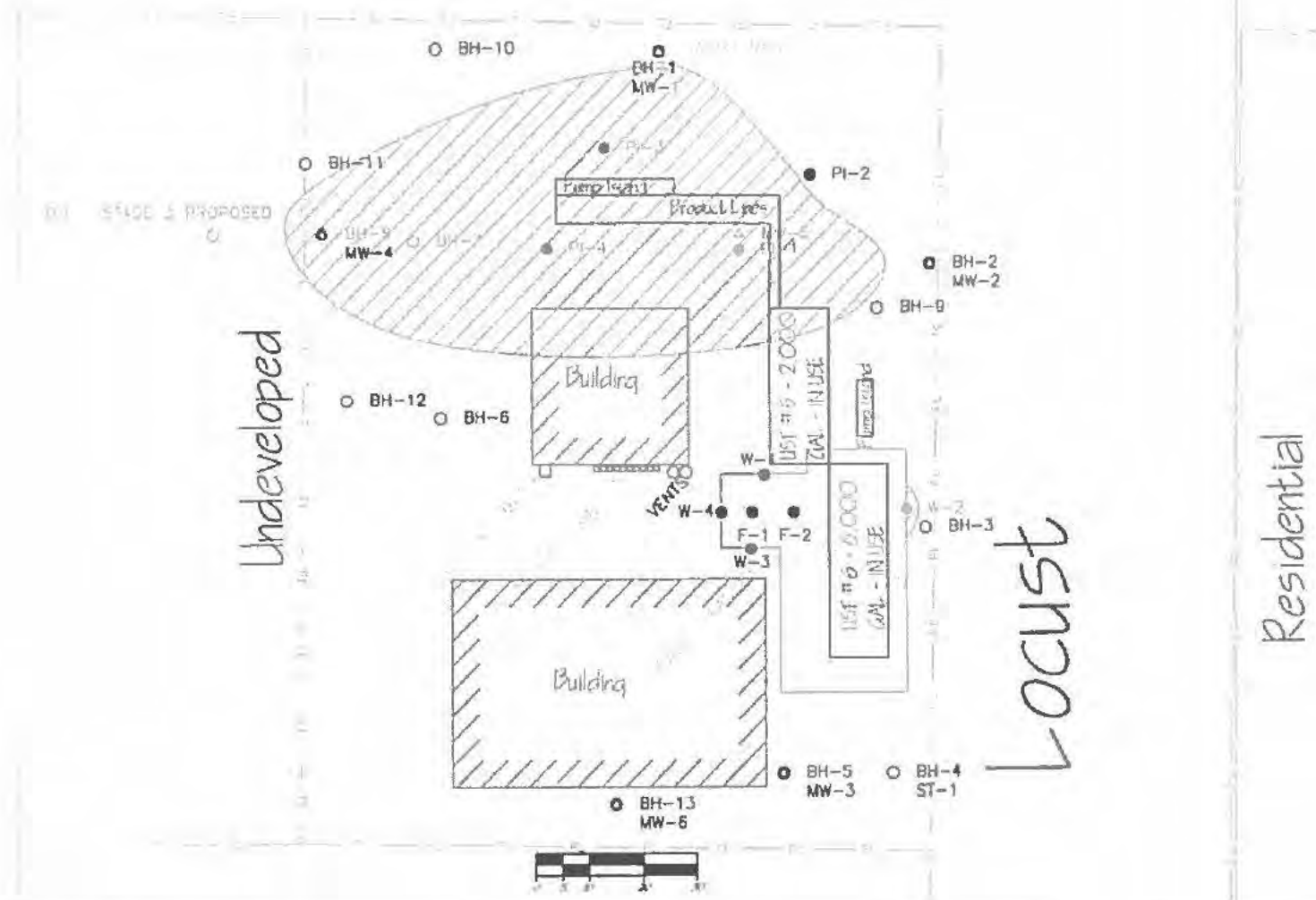
—S—	SEWER	○	SOIL BORING—BH	●	MONITORING WELL—MW
—S—	SANITARY SEWER	○	MONITORING WELL WITH SOIL SAMPLING—BH/MW	●	EARLY ACTION SAMPLE (RED FONT) > HOP & ROE
—W—	WATER LINE	○	PROPOSED DRILLING IN GREEN FONT		
—G—	GAS LINE	□	EARLY ACTION EXCAVATION		
—T—	TELEPHONE LINE				
—P—	PROPERTY LINE				
—E—	OVERHEAD ELECTRIC				
—UE—	UNDERGROUND ELECTRIC				

LPC# 06502057
 Hamilton County
 211 E Randolph
 McLeansboro, IL
 LUST Incident No. 20130569



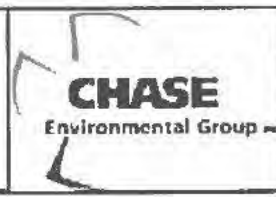
PROJECT NAME IL Pictop LLC	
DRAWN BY: RT	PROJECT NO. TL30569
CHECKED BY:	TITLE: GW FLOW MAP
DATE: NOV 2016	DWG NAME: SITE.DWG
SCALE: SCALE 1"=30'	DWG NO: FIGURE 3

Randolph



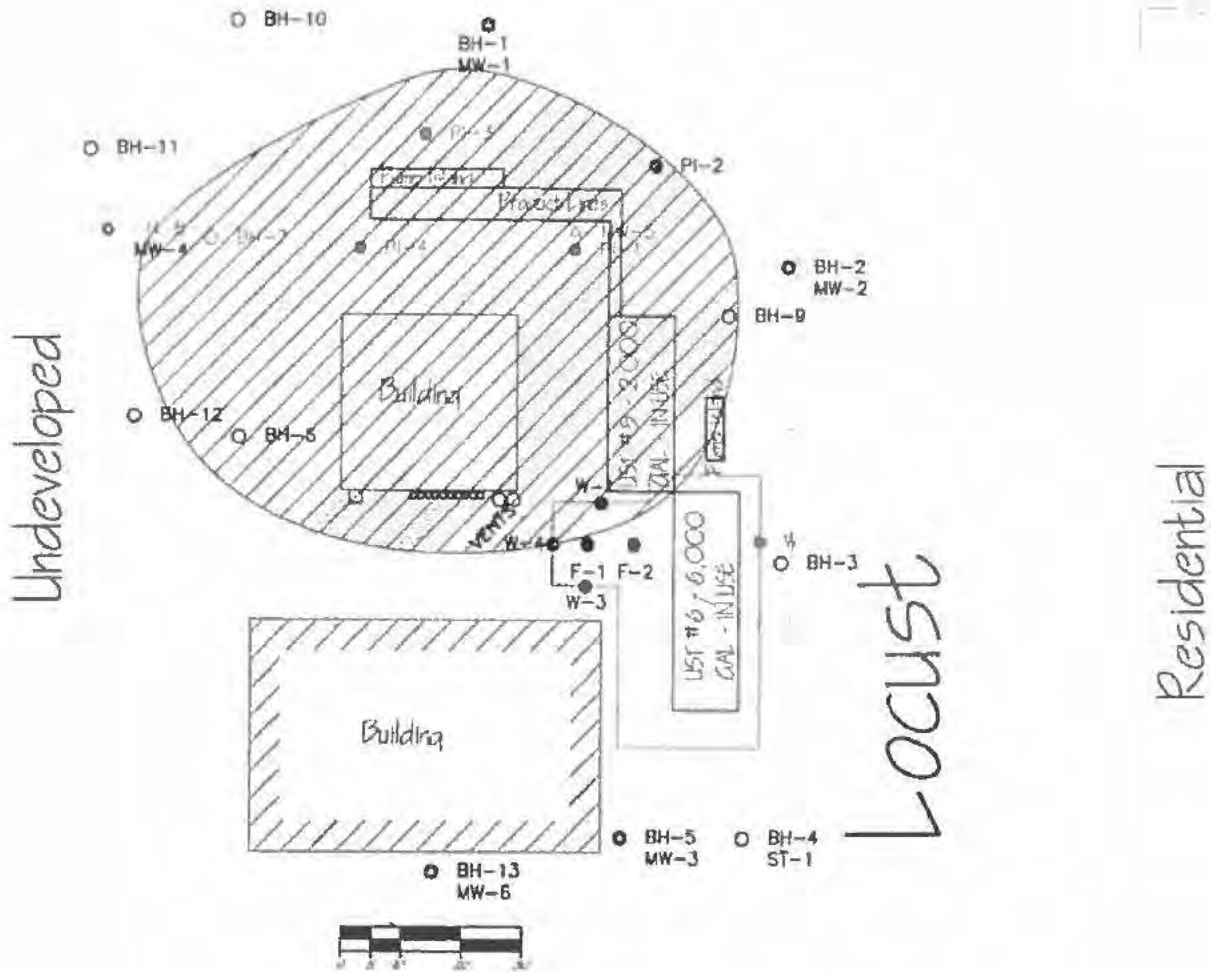
LEGEND	—○— FROM SEWER	○ SOIL BORING—BH	△ MONITORING WELL—MW
	—○— SANITARY SEWER	● MONITORING WELL WITH SOIL SAMPLING—BH/MW	
—○— WATER LINE	● EARLY ACTION SAMPLE (OLD FONT & NEW) (NEW)	□ PROPOSED EXCAVATION (GREEN EDGE)	
—○— GAS LINE	□ EARLY ACTION EXCAVATION		
—○— TELEPHONE LINE	▨ SOIL PLUME		
—○— PROPERTY LINE			
—○— OVERHEAD ELECTRIC			
—○— UNDERGROUND ELECTRIC			

LPC# 065020517
 Hamilton County
 211 E. Randolph
 McLeansboro, IL
 IUST Incident No. 20130569



PROJECT NAME IL Pitstop LLC	
DRAWN BY KT	PROJECT NO. 7130569
CHECKED BY	TITLE EST SOIL PLUME MAP
DATE NOV 2016	DWG NAME SITE DWG
SCALE SCALE 1"=30'	DWG NO. FIGURE 4

Randolph




LEGEND	
— 01 —	STRAIN BENDER
— 02 —	SAFETY BENDER
— 03 —	WATER LINE
— 04 —	GAS LINE
— 05 —	TELEPHONE LINE
— 06 —	PROPERTY LINE
— 07 —	OVERHEAD ELECTRIC
— 08 —	UNDERGROUND ELECTRIC
○	SOIL BORING - BH
⊙	MONITORING WELL - MW
⊙	MONITORING WELL WITH SOIL SAMPLING - BH/MW
●	EARLY ACTION SAMPLE (RED FISH) - TIER 1 BOX
○	EARLY ACTION SAMPLE (GREEN FISH) - TIER 2 BOX
□	EARLY ACTION EXCAVATION
▨	GROUNDWATER PLUME


LPC# 065020507
 Hamilton County
 211 E Randolph
 McLeansboro, IL
 LUST Incident No. 20130569





PROJECT NAME IL Pesticide LLC	
DRAWN BY RT	PROJECT NO T130569
CREATED BY	TITLE EST GN PLUME MAP
DATE NOV 2016	DWG NAME SITE DWG
SCALE SCALE 1"=30'	DWG NO FIGURE 5


APPENDIX A
Boring Logs

 CHASE ENVIRONMENTAL GROUP, INC. Drilling & Remedial Action Contractors 418 South Poplar, Centralia, Illinois 62801		Soil Boring Log		Page 1 of 1		
Project:		Pit Stop		Boring Location: BH-9		
Date Drilled:		9/13/2016		Sampling Method: 2" x 5' Liners		
Date Completed:		9/13/2016		Surface Elevation: NA		
Drilling Method:		Direct Push		Total Depth (ft): 8		
Drilling Company:		Earth Services		Geologist: Duane Doty		
Depth (ft)	Sample Number	Blow Count 6"	PID (ppm)	Recovery	Formation	Geologic Description
1	BH-9A		0	70%		0.0' - 1.0': Concrete and crushed stone
2						1.0' - 2.0': Brown & gray mottled silty clay
3						2.0'-6.0': Black silty clay
4						
5						
6	BH-9B		0	100%		6.0' - 8.0': Brown sandy silty clay
7						Groundwater at 7.5'
8						Refusal at 8' - End of Boring

 CHASE ENVIRONMENTAL GROUP, INC. Drilling & Remedial Action Contractors 418 South Poplar, Centralia, Illinois 62801		Soil Boring Log			Page 1 of 1	
Project:		Pit Stop		Boring Location: BH-10		
Date Drilled:		9/13/2016		Sampling Method: 2" x 5' Liners		
Date Completed:		9/13/2016		Surface Elevation: NA		
Drilling Method:		Direct Push		Total Depth (ft): 8		
Drilling Company:		Earth Services		Geologist: Duane Doty		
Depth (ft)	Sample Number	Blow Count 6"	PID (ppm)	Recovery	Formation	Geologic Description
1	BH-10		0	80%		0.0' - 1.0': Concrete and crushed stone
2						1.0' - 2.0': Brown & gray mottled silty clay
3						2.0' - 5.5': Black silty clay
4						
5						Groundwater at 5.0'
6			0	100%		5.5' - 8.0': Brown sandy, silty clay
7						
8						Refusal at 8' - End of Boring

 CHASE ENVIRONMENTAL GROUP, INC. Drilling & Remedial Action Contractors 418 South Poplar, Centralia, Illinois 62801		Soil Boring Log		Page 1 of 1		
Project: Pit Stop			Boring Location: BH-11			
Date Drilled: 9/13/2016			Sampling Method: 2" x 5' Liners			
Date Completed: 9/13/2016			Surface Elevation: NA			
Drilling Method: Direct Push			Total Depth (ft): 8			
Drilling Company: Earth Services			Geologist: Duane Doty			
Depth (ft)	Sample Number	Blow Count 6"	PID (ppm)	Recovery	Formation	Geologic Description
1						0.0' - 0.5': Crushed stone
2						0.5' - 6.0': Brown silty clay
3	BH-11A		0	95%		
4						
5						
6	BH-11B		0			Groundwater at 6'
7				80%		6.0' - 8.0': Brown sandy silty clay
8						Refusal at 8' - End of Boring

 CHASE ENVIRONMENTAL GROUP, INC. Drilling & Remedial Action Contractors 418 South Poplar, Centralia, Illinois 62801		Soil Boring Log		Page 1 of 1		
Project:		Pit Stop		Boring Location: BH-12		
Date Drilled:		9/13/2016		Sampling Method: 2" x 5' liners		
Date Completed:		9/13/2016		Surface Elevation: NA		
Drilling Method:		Direct Push		Total Depth (ft): 9		
Drilling Company:		Earth Services		Geologist: Duane Doty		
Depth (ft)	Sample Number	Blow Count 6"	PID (ppm)	Recovery	Formation	Geologic Description
1	BH-12		0		80	0.0' - 1.0': Crushed stone
2						1.0' - 9.0': Brown silty clay
3						
4						
5						Groundwater at 5.0'
6			0		100	
7						
8						
9						Refusal at 9' - End of Boring

 CHASE ENVIRONMENTAL GROUP, INC. Drilling & Remedial Action Contractors 418 South Poplar, Centralia, Illinois 62801		Soil Boring Log		Page 1 of 1		
Project: Pit Stop			Boring Location: BH-13			
Date Drilled: 10/21/2016			Sampling Method: 2" x 5' Liners			
Date Completed: 10/21/2016			Surface Elevation: NA			
Drilling Method: Direct Push			Total Depth (ft): 10			
Drilling Company: Earth Services			Geologist: Duane Doty			
Depth (ft)	Sample Number	Blow Count 6"	PID (ppm)	Recovery	Formation	Geologic Description
1	BH-13		0		80	0.0' - 0.5': Dark brown top soil
2						0.5' - 6.5': Brown silty clay
3						
4						
5						Groundwater at 5.0'
6						
7						6.5' - 7.0': Weathered sandstone. Auger refusal at 7'. End of Boring

APPENDIX B
Well Completion Form



Illinois Environmental Protection Agency

LUST Well Completion Report

The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$25,000.00 for each day failure continues, a fine up to \$50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

Incident No.: 20130569
 Site Name: IL Pitstop, LLC
 Drilling Contractor: Earth Services
 Driller: J. Blair
 Drilling Method: HSA

Well No.: MW-6
 Date Drilled Start: 10/21/16
 Date Completed: 10/21/16
 Geologist: D. Doty
 Drilling Fluids (Type): None

Annular Space Details

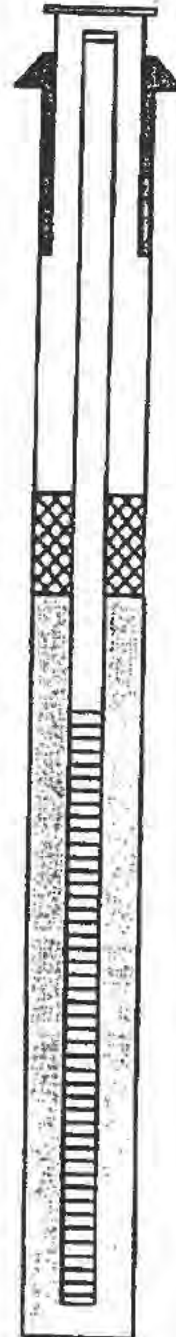
Type of Surface Seal: Concrete
 Type of Annular Sealant: Bentonite
 Type of Bentonite Seal (Granular, Pellet): Medium Chip
 Type of Sand Pack: Industrial Quartz

Elevations - .01 ft.

 Top of Protective Casing
94.97 Top of Riser Pipe
95.20 Ground Surface
 Top of Annular sealant
 Casing Stickup

Well Construction Materials

	Stainless Steel Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint		Threaded	
Riser pipe above w.t.		Sch 40	
Riser Pipe below w.t.		Sch 40	
Screen		Sch 40	
Coupling joint screen to riser		Threaded	
Protective casing	Iron	Flush	Mount



84.37 Top of Seal
1.50 Total Seal Interval
92.87 Top of Sand

91.44 Top of Screen

5.00 Total Screen Interval

88.44 Bottom of Screen
85.87 Bottom of Borehole

Measurements

to .01 ft (where applicable)

Riser Pipe Length	3.53
Screen Length	5.00
Screen Slot Size	0.01
Protective casing length	0.00
Depth to water	2.26
Elevation of water	92.71
Free Product thickness	0.00
Gallons removed (develop)	4.50
Gallons removed (purge)	
Other	

Completed by: D. Doty

APPENDIX C

Laboratory Reports, Chain of Custody Form & Laboratory Certification



<http://www.teklabinc.com/>

November 01, 2016

Marvin Johnson
Chase Environmental Group
P.O. Drawer AB
Centralia, IL 62801
TEL: (618) 533-6740
FAX: (618) 533-6741



RE: McLeansboro Pit Stop T1303020

WorkOrder: 16101589

Dear Marvin Johnson:

TEKLAB, INC received 8 samples on 10/26/2016 4:52:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Marvin L. Darling II".

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Chase Environmental Group

Work Order: 16101589

Client Project: McLeansboro Pit Stop T1303020

Report Date: 01-Nov-16

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Receiving Check List	13
Chain of Custody	Appended



Definitions

<http://www.teklabinc.com/>

Client: Chase Environmental Group

Work Order: 16101589

Client Project: McLeansboro Pit Stop T1303020

Report Date: 01-Nov-16

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS-D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (i.e. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surrogate Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--------------------------------------------------------------|--------------------------------------------------------|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| I - Associated internal standard was outside method criteria | M - Manual integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively Identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Chase Environmental Group

Work Order: 16101589

Client Project: McLeansboro Pit Stop T1303020

Report Date: 01-Nov-16

Cooler Receipt Temp: 2.82 °C

Locations and Accreditations

	Collinsville	Springfield	Kansas City	Collinsville Air
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
Fax	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
Email	jhriley@teklabinc.com	KKlostermann@teklabinc.com	Ryoungstrom@teklabinc.com	EHurley@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2017	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2017	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2017	Collinsville



Laboratory Results

<http://www.teklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Pit Stop T1303020
 Lab ID: 16101589-001
 Matrix: SOLID

Work Order: 16101589
 Report Date: 01-Nov-16

Client Sample ID: BH-9A 2.5 ft
 Collection Date: 10/21/2016 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		25.8	%	1	10/28/2016 14:56	R225204
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		1.2	µg/Kg-dry	1	10/28/2016 5:19	123910
Ethylbenzene	NELAP	5.2		ND	µg/Kg-dry	1	10/28/2016 5:19	123910
Methyl tert-butyl ether	NELAP	2.1		ND	µg/Kg-dry	1	10/28/2016 5:19	123910
Toluene	NELAP	5.2		ND	µg/Kg-dry	1	10/28/2016 5:19	123910
Xylenes, Total	NELAP	5.2		ND	µg/Kg-dry	1	10/28/2016 5:19	123910
Surr: 1,2-Dichloroethane-d4		72.2-131		110.8	%REC	1	10/28/2016 5:19	123910
Surr: 4-Bromofluorobenzene		82.1-116		115.5	%REC	1	10/28/2016 5:19	123910
Surr: Dibromofluoromethane		77.7-120		106.1	%REC	1	10/28/2016 5:19	123910
Surr: Toluene-d8		86-116		111.9	%REC	1	10/28/2016 5:19	123910



Laboratory Results

<http://www.teklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Pit Stop T1303020
 Lab ID: 16101589-002
 Matrix: SOLID

Work Order: 16101589
 Report Date: 01-Nov-16

Client Sample ID: BH-9B 7 ft
 Collection Date: 10/21/2016 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		15.0	%	1	10/28/2016 14:57	R225204
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		ND	µg/Kg-dry	1	10/28/2016 5:45	123910
Ethylbenzene	NELAP	4.0		ND	µg/Kg-dry	1	10/28/2016 5:45	123910
Methyl tert-butyl ether	NELAP	1.6		ND	µg/Kg-dry	1	10/28/2016 5:45	123910
Toluene	NELAP	4.0		ND	µg/Kg-dry	1	10/28/2016 5:45	123910
Xylenes, Total	NELAP	4.0		ND	µg/Kg-dry	1	10/28/2016 5:45	123910
Sum: 1,2-Dichloroethane-d4		72.2-131		108.5	%REC	1	10/28/2016 5:45	123910
Sum: 4-Bromofluorobenzene		82.1-116		93.9	%REC	1	10/28/2016 5:45	123910
Sum: Dibromofluoromethane		77.7-120		101.7	%REC	1	10/28/2016 5:45	123910
Sum: Toluene-d8		86-116		99.4	%REC	1	10/28/2016 5:45	123910



Laboratory Results

<http://www.teklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Pit Stop T1303020
 Lab ID: 16101589-003
 Matrix: SOLID

Work Order: 16101589
 Report Date: 01-Nov-16

Client Sample ID: BH-10 3 ft
 Collection Date: 10/21/2016 9:49

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		16.0	%	1	10/28/2016 14:57	R225204
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		ND	µg/Kg-dry	1	10/29/2016 10:32	123939
Ethylbenzene	NELAP	4.3		ND	µg/Kg-dry	1	10/29/2016 10:32	123939
Methyl tert-butyl ether	NELAP	1.7		ND	µg/Kg-dry	1	10/29/2016 10:32	123939
Toluene	NELAP	4.3		ND	µg/Kg-dry	1	10/29/2016 10:32	123939
Xylenes, Total	NELAP	4.3		ND	µg/Kg-dry	1	10/29/2016 10:32	123939
Surr: 1,2-Dichloroethane-d4		72.2-131		106.2	%REC	1	10/29/2016 10:32	123939
Surr: 4-Bromofluorobenzene		82.1-116		102.9	%REC	1	10/29/2016 10:32	123939
Surr: Dibromofluoromethane		77.7-120		109.2	%REC	1	10/29/2016 10:32	123939
Surr: Toluene-d8		86-116		106.2	%REC	1	10/29/2016 10:32	123939



Laboratory Results

<http://www.teklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Pit Stop T1303020
 Lab ID: 16101589-004
 Matrix: SOLID

Work Order: 16101589
 Report Date: 01-Nov-16

Client Sample ID: BH-11A 3 ft
 Collection Date: 10/21/2016 10:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		15.9	%	1	10/28/2016 14:58	R225204
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		ND	µg/Kg-dry	1	10/28/2016 6:37	123910
Ethylbenzene	NELAP	3.8		ND	µg/Kg-dry	1	10/28/2016 6:37	123910
Methyl tert-butyl ether	NELAP	1.5		ND	µg/Kg-dry	1	10/28/2016 6:37	123910
Toluene	NELAP	3.8		ND	µg/Kg-dry	1	10/28/2016 6:37	123910
Xylenes, Total	NELAP	3.8		ND	µg/Kg-dry	1	10/28/2016 6:37	123910
Surr: 1,2-Dichloroethane-d4		72.2-131		107.5	%REC	1	10/28/2016 6:37	123910
Surr: 4-Bromofluorobenzene		82.1-116		95.2	%REC	1	10/28/2016 6:37	123910
Surr: Dibromofluoromethane		77.7-120		102.9	%REC	1	10/28/2016 6:37	123910
Surr: Toluene-d8		86-116		101.9	%REC	1	10/28/2016 6:37	123910



Laboratory Results

<http://www.taklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Pit Stop T1303020
 Lab ID: 16101589-005
 Matrix: SOLID

Work Order: 16101589

Report Date: 01-Nov-16

Client Sample ID: BH-11B 5.5 ft

Collection Date: 10/21/2016 10:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		14.8	%	1	10/28/2016 14:58	R225204
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		ND	µg/Kg-dry	1	10/28/2016 7:03	123910
Ethylbenzene	NELAP	3.7		ND	µg/Kg-dry	1	10/28/2016 7:03	123910
Methyl tert-butyl ether	NELAP	1.5		ND	µg/Kg-dry	1	10/28/2016 7:03	123910
Toluene	NELAP	3.7		ND	µg/Kg-dry	1	10/28/2016 7:03	123910
Xylenes, Total	NELAP	3.7		ND	µg/Kg-dry	1	10/28/2016 7:03	123910
Surr: 1,2-Dichloroethane-d4		72.2-131		107.3	%REC	1	10/28/2016 7:03	123910
Surr: 4-Bromofluorobenzene		82.1-118		96.1	%REC	1	10/28/2016 7:03	123910
Surr: Dibromofluoromethane		77.7-120		102.1	%REC	1	10/28/2016 7:03	123910
Surr: Toluene-d8		86-116		102.2	%REC	1	10/28/2016 7:03	123910



Laboratory Results

<http://www.teklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Plt Stop T1303020
 Lab ID: 16101589-006
 Matrix: SOLID

Work Order: 16101589
 Report Date: 01-Nov-16
 Client Sample ID: BH-12 3 ft
 Collection Date: 10/21/2016 10:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		22.0	%	1	10/28/2016 14:59	R225204
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		ND	µg/Kg-dry	1	10/28/2016 7:28	123910
Ethylbenzene	NELAP	4.3		ND	µg/Kg-dry	1	10/28/2016 7:28	123910
Methyl tert-butyl ether	NELAP	1.7		ND	µg/Kg-dry	1	10/28/2016 7:28	123910
Toluene	NELAP	4.3		ND	µg/Kg-dry	1	10/28/2016 7:28	123910
Xylenes, Total	NELAP	4.3		ND	µg/Kg-dry	1	10/28/2016 7:28	123910
Surr: 1,2-Dichloroethane-d4		72.2-131		107.8	%REC	1	10/28/2016 7:28	123910
Surr: 4-Bromofluorobenzene		82.1-118		100.2	%REC	1	10/28/2016 7:28	123910
Surr: Dibromofluoromethane		77.7-120		103.9	%REC	1	10/28/2016 7:28	123910
Surr: Toluene-d8		86-116		104.4	%REC	1	10/28/2016 7:28	123910



Laboratory Results

<http://www.teklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Pit Stop T1303020
 Lab ID: 16101589-007
 Matrix: SOLID

Work Order: 16101589

Report Date: 01-Nov-16

Client Sample ID: BH-13 3 ft

Collection Date: 10/21/2016 10:57

Analyses	Certification	RI	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		21.7	%	1	10/28/2016 14:59	R225204
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.1		ND	µg/Kg-dry	1	10/28/2016 7:54	123910
Ethylbenzene	NELAP	5.6		ND	µg/Kg-dry	1	10/28/2016 7:54	123910
Methyl tert-butyl ether	NELAP	2.2		ND	µg/Kg-dry	1	10/28/2016 7:54	123910
Toluene	NELAP	5.6		ND	µg/Kg-dry	1	10/28/2016 7:54	123910
Xylenes, Total	NELAP	5.6		ND	µg/Kg-dry	1	10/28/2016 7:54	123910
Surr: 1,2-Dichloroethane-d4		72.2-131		107.6	%REC	1	10/28/2016 7:54	123910
Surr: 4-Bromofluorobenzene		82.1-116		98.8	%REC	1	10/28/2016 7:54	123910
Surr: Dibromofluoromethane		77.7-120		102.4	%REC	1	10/28/2016 7:54	123910
Surr: Toluene-d8		88-116		100.1	%REC	1	10/28/2016 7:54	123910



Laboratory Results

<http://www.teklabinc.com/>

Client: Chase Environmental Group
 Client Project: McLeansboro Pit Stop T1303020
 Lab ID: 16101589-008
 Matrix: GROUNDWATER

Work Order: 16101589
 Report Date: 01-Nov-16

Client Sample ID: MW-6
 Collection Date: 10/25/2016 7:39

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	10/31/2016 16:48	123951
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/31/2016 16:48	123951
Methyl tert-butyl ether	NELAP	2.0		4.8	µg/L	1	10/31/2016 16:48	123951
Toluene	NELAP	5.0		ND	µg/L	1	10/31/2016 16:48	123951
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/31/2016 16:48	123951
Surr: 1,2-Dichloroethane-d4		74.7-129		91.6	%REC	1	10/31/2016 16:48	123951
Surr: 4-Bromofluorobenzene		86-119		94.5	%REC	1	10/31/2016 16:48	123951
Surr: Dibromofluoromethane		81.7-123		91.6	%REC	1	10/31/2016 16:48	123951
Surr: Toluene-d8		84.3-114		101.2	%REC	1	10/31/2016 16:48	123951



Receiving Check List

<http://www.teklabinc.com/>

Client: Chase Environmental Group

Work Order: 16101589

Client Project: McLeansboro Pit Stop T1303020

Report Date: 01-Nov-16

Carrier: Marvin Johnson

Received By: KF

Completed by:
On:
27-Oct-16

Kalyn Foecke
Kalyn Foecke

Reviewed by:
On:
27-Oct-16

Elizabeth A. Hurley
Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 2.82
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 8.0°C, or when samples are received on ice the same day as collected.				
Water - at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. 1 of 1 Work Order # 11101589

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: CHASE ENVIRONMENTAL GROUP, INC.
 Address: PO BOX AB
 City / State / Zip: CENTRALIA, IL 62801
 Contact: MARVIN JOHNSON Phone: (618) 533-6740
 E-Mail: mjohnson@chaseenv.com Fax: _____

Samples on: Ice Blue Ice No Ice 2-82 °C
 Preserved in: Lab Field **FOR LAB USE ONLY**
 Lab Notes:
ECM WASTEWATER OMN TO/ST/ICE
 Comments:
IL LEAKING UST PROJECT

- * Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No
- * Are these samples known to be hazardous? Yes No
- * Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Project Name / Number		Sample Collector's Name		MATRIX							INDICATE ANALYSIS REQUESTED																				
McLEANSBORO PIT STOP 77503020		D DOTY		UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	BTEX	MTBE													
Results Requested	Billing Instructions	# and Type of Containers																													
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)	PWP																														
Lab Use Only	Sample Identification	Date/Time Sampled																													
1610559-001	BH-9A 2.5'	10/21/16 0940	1						1	2								X	X												
002	BH-9B 7'	0945	1						1	2								X	X												
003	BH-10 3'	0949	1						1	2								X	X												
004	BH-11A 3'	1007	1						1	2								X	X												
005	BH-11B 5.5'	1011	1						1	2								X	X												
006	BH-12 3'	1021	1						1	2								X	X												
007	BH-13 3'	1057	1						1	2								X	X												
008	MW-6	10/25/16 0739						2				X						X	X												
Relinquished By		Date / Time		Received By		Date / Time																									
		10/25/2016 8:30				10/25/16 8:30																									
		10/26/16 11:52				10/25/16 11:52																									

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE - LAB YELLOW - SAMPLER'S COPY

IL Pit Stop, LLC (PCB No. 17-077) R. 046



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Laboratory Certification for Chemical Analysis

A. Site Identification

IEMA Incident # (6- or 8-digit): 20130569 IEPA LPC# (10-digit): 065020517
Site Name: IL Pitstop, LLC
Site Address (Not a P.O. Box): 211 East Randolph Street
City: McLeansboro County: Hamilton ZIP Code: 62859

Leaking UST Technical File

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples.
2. Chain-of-custody procedures were followed in the field.
3. Sample integrity was maintained by proper preservation.
4. All samples were properly labeled.

[Signature]
(Initial)
[Signature]
(Initial)
[Signature]
(Initial)
[Signature]
(Initial)

C. Laboratory Representative

I certify that: 11/10/17

1. Proper chain-of-custody procedures were followed as documented on the chain-of-custody forms
2. Sample integrity was maintained by proper preservation.
3. All samples were properly labeled.
4. Quality assurance/quality control procedures were established and carried out.
5. Sample holding times were not exceeded.

MLOE
(Initial)
MLOE
(Initial)
MLOE
(Initial)
MLOE
(Initial)
MLOE
(Initial)

1610589

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses.

MLOJ
(Initial)

7. An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186.180 (for samples collected on or after January 1, 2003).

MLOJ
(Initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector

Name Duane Doty
Title Sr. Project Manager
Company Chase Environmental Group, Inc.
Address PO Box AB
City Centralia
State IL
Zip Code 62801
Phone 618-533-8740
Signature [Handwritten Signature]
Date 10/25/10

Laboratory Representative

Name Marvin L. Darling II
Title Project Manager
Company Teklab, Inc.
Address 5445 Horseshoe Lake Road
City Collinsville
State IL
Zip Code 62234-7425
Phone 618-344-1004
Signature [Handwritten Signature]
Date 11/1/10

APPENDIX D
Sanders Access Agreement

Offsite Access Agreement for the IL Pitstop, LLC site in McLeansboro, IL



I will allow access for soil borings and/or monitor well installation and sampling in order to define the extent of soil and groundwater contamination. Any additional work will be discussed prior to implementation.



I will not allow access for soil borings and/or monitor well installation and sampling in order to define the extent of soil and groundwater contamination.

PROPERTY OWNER OF:

506 South Locust
McLeansboro, IL 62859
Parcel ID Number: 08-15-305-010

Printed name:

Harry Sanders

Signature:

Harry Sanders

Phone Number:

618-305-0916
(to contact you prior to fieldwork)

APPENDIX E
Stage 2 Site Investigation Cost Summary

RECEIVED
DEC 30 2016
IEPA/BOL



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

General Information for the Budget and Billing Forms

LPC #: 0650205017 County: Hamilton

City: McLeansboro Site Name: IL Pit Stop, LLC

Site Address: 211 E Randolph

IEMA Incident No.: 20130569 20001319

IEMA Notification Date: May 15, 2013 Jul 24, 2000

Date this form was prepared: 11/04/2016

This form is being submitted as a (check one, if applicable):

- Budget Proposal
- Budget Amendment (Budget amendments must include only the costs over the previous budget.)
- Billing Package

Please provide the name(s) and date(s) of report(s) documenting the costs requested:

Name(s): _____

Date(s): _____

RECEIVED

DEC 9 0 2016

This package is being submitted for the site activities indicated below:

IEPA/BOL

35 Ill. Adm. Code 734:

- Early Action
- Free Product Removal after Early Action
- Site Investigation Stage 1: Stage 2: Stage 3:
- Corrective Action Actual Costs Actual

35 Ill. Adm. Code 732:

- Early Action
- Free Product Removal after Early Action
- Site Classification
- Low Priority Corrective Action
- High Priority Corrective Action

35 Ill. Adm. Code 731:

- Site Investigation
- Corrective Action

General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund.

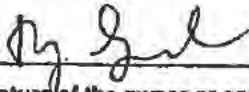
Pay to the order of: IL Pit Stop, LLC

Send in care of: Chase Environmental Group, Inc.

Address: PO Box AB

City: Centralia State: IL Zip: 62801

The payee is the: Owner Operator (Check one or both.)


 Signature of the owner or operator of the UST(s) (required)

W-9 must be submitted.
[Click here to print off a W-9 Form.](#)

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator, any subsidiary, parent or joint stock company of the owner or operator, and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: 101 or more:

Number of USTs at the site: 5 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 2

Incident Numbers assigned to the site due to releases from USTs: 20130569 20001319

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?	Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	8,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	20001319	Tank Leak
Gasoline	4,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	20001319	Tank Leak
Gasoline	2,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	20130569	Tank Leak
Gasoline	6,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Diesel	2,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

Budget Summary

Choose the applicable regulation: 734 732

734	Free Product	Stage 1 Site Investigation	Stage 2 Site Investigation	Stage 3 Site Investigation	Corrective Action
Drilling and Monitoring Well Costs Form	\$	\$	\$ 2,049.51	\$	\$
Analytical Costs Form	\$	\$	\$ 849.73	\$	\$
Remediation and Disposal Costs Form	\$	\$	\$ 619.57	\$	\$
UST Removal and Abandonment Costs Form	\$	\$	\$	\$	\$
Paving, Demolition, and Well Abandonment Costs Form	\$	\$	\$	\$	\$
Consulting Personnel Costs Form	\$	\$	\$ 15,800.84	\$	\$
Consultant's Materials Costs Form	\$	\$	\$ 1,034.57	\$	\$
Handling Charges Form	Handling charges will be determined at the time a billing package is submitted to the Illinois EPA. The amount of allowable handling charges will be determined in accordance with the Handling Charges Form.				
Total	\$	\$	\$ 20,354.22	\$	\$

Drilling and Monitoring Well Costs Form

1. Drilling

Number of Borings to Be Drilled	Type HSA/PUSH/ Injection	Depth (feet) of Each Boring	Total Feet Drilled	Reason for Drilling
3	PUSH	8.00	24.00	BH-9, BH-10, BH-11
1	PUSH	9.00	9.00	BH-12
1	HSA	9.33	9.33	MW-6

Subpart H minimum payment amount applies.

	Total Feet	Rate per Foot (\$)	Total Cost (\$)
Total Feet via HSA:	9.33	28.50	265.90
Total Feet via PUSH:	33.00	22.30	735.90
Total Feet for Injection via PUSH:			
Total Drilling Costs:			1,858.71

2. Monitoring / Recovery Wells

Number of Wells	Type of Well HSA / PUSH / 4" or 6" Recovery / 8" Recovery	Diameter of Well (inches)	Depth of Well (feet)	Total Feet of Wells to Be Installed (\$)
1	HSA	2.00	9.33	9.33

Well Installation	Total Feet	Rate per Foot (\$)	Total Cost (\$)
Total Feet via HSA:	9.33	20.45	190.80
Total Feet via PUSH:			
Total Feet of 4" or 6" Recovery:			
Total Feet of 8" or Greater Recovery:			
Total Well Costs:			190.80

Total Drilling and Monitoring Well Costs:	\$2,049.51
--------------------------------------------------	-------------------

Analytical Costs Form

Laboratory Analysis	Number of Samples		Cost (\$) per Analysis		Total per Parameter
Chemical Analysis					
BETX Soil with MTBE EPA 8260	7	X	96.00	=	\$672.00
BETX Water with MTBE EPA 8260	1	X	91.00	=	\$91.00
COD (Chemical Oxygen Demand)		X		=	
Corrosivity		X		=	
Flash Point or Ignitability Analysis EPA 1010		X		=	
Fraction Organic Carbon Content (f _{oc}) ASTM-D 2974-00		X		=	
Fat, Oil, & Grease (FOG)		X		=	
LUST Pollutants Soil - analysis must include volatile, base/neutral, polynuclear aromatics and metals list in Section 732, Appendix B and 734, Appendix B		X		=	
Dissolved Oxygen (DO)		X		=	
Paint Filter (Free Liquids)		X		=	
PCB / Pesticides (combination)		X		=	
PCBs		X		=	
Pesticides		X		=	
pH		X		=	
Phenol		X		=	
Polynuclear Aromatics PNA, or PAH SOIL EPA 8270		X		=	
Polynuclear Aromatics PNA, or PAH WATER EPA 8270		X		=	
Reactivity		X		=	
SVOC - Soil (Semi-Volatile Organic Compounds)		X		=	
SVOC - Water (Semi-Volatile Organic Compounds)		X		=	
TKN (Total Kjeldahl) "nitrogen"		X		=	
TPH (Total Petroleum Hydrocarbons)		X		=	
VOC (Volatile Organic Compounds) - Soil (Non-Aqueous)		X		=	
VOC (Volatile Organic Compounds) - Water		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
Geo-Technical Analysis					
Soil Bulk Density (ρ _b) ASTM D2937-94		X		=	
Ex-situ Hydraulic Conductivity / Permeability		X		=	
Moisture Content (w) ASTM D2216-92 / D4643-93		X		=	
Porosity		X		=	
Rock Hydraulic Conductivity Ex-situ		X		=	
Sieve / Particle Size Analysis ASTM D422-63 / D1140-54		X		=	
Soil Classification ASTM D2488-90 / D2487-90		X		=	
Soil Particle Density (ρ _s) ASTM D854-92		X		=	
		X		=	
		X		=	
		X		=	

Analytical Costs Form

Metals Analysis					
Soil preparation fee for Metals TCLP Soil (one fee per soil sample)		X		=	
Soil preparation fee for Metals Total Soil (one fee per soil sample)		X		=	
Water preparation fee for Metals Water (one fee per water sample)		X		=	
Arsenic TCLP Soil		X		=	
Arsenic Total Soil		X		=	
Arsenic Water		X		=	
Barium TCLP Soil		X		=	
Barium Total Soil		X		=	
Barium Water		X		=	
Cadmium TCLP Soil		X		=	
Cadmium Total Soil		X		=	
Cadmium Water		X		=	
Chromium TCLP Soil		X		=	
Chromium Total Soil		X		=	
Chromium Water		X		=	
Cyanide TCLP Soil		X		=	
Cyanide Total Soil		X		=	
Cyanide Water		X		=	
Iron TCLP Soil		X		=	
Iron Total Soil		X		=	
Iron Water		X		=	
Lead TCLP Soil		X		=	
Lead Total Soil		X		=	
Lead Water		X		=	
Mercury TCLP Soil		X		=	
Mercury Total Soil		X		=	
Mercury Water		X		=	
Selenium TCLP Soil		X		=	
Selenium Total Soil		X		=	
Selenium Water		X		=	
Silver TCLP Soil		X		=	
Silver Total Soil		X		=	
Silver Water		X		=	
Metals TCLP Soil (a combination of all metals) RCRA		X		=	
Metals Total Soil (a combination of all metals) RCRA		X		=	
Metals Water (a combination of all metals) RCRA		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
Other					
EnCore® Sampler, purge-and-trap sampler, or equivalent sampling device	7	X	12.39	=	\$86.73
Sample Shipping per sampling event ¹		X		=	

¹A sampling event, at a minimum, is all samples (soil and groundwater) collected in a calendar day.

Total Analytical Costs: \$ 849.73

Remediation and Disposal Costs Form

A. Conventional Technology

Excavation, Transportation, and Disposal of contaminated soil and/or the 4-foot backfill material removal during early action activities:

Number of Cubic Yards	Cost per Cubic Yard (\$)	Total Cost

Backfilling the Excavation:

Number of Cubic Yards	Cost per Cubic Yard (\$)	Total Cost

Overburden Removal and Return:

Number of Cubic Yards	Cost per Cubic Yard (\$)	Total Cost

B. Alternative Technology

Alternative Technology Selected:	
Number of Cubic Yards of Soil to Be Remediated	
Total Non-Consulting Personnel Costs Summary Sheet (\$)	
Total Remediation Materials Costs Summary Sheet (\$)	
Total Cost of the System	

Remediation and Disposal Costs Form

C. Groundwater Remediation and/or Free Product Removal System

Total Non-Consulting Personnel Costs Summary Sheet (\$)	
Total Remediation Materials Costs Summary Sheet (\$)	
Total Cost of the System	

D. Groundwater and/or Free Product Removal and Disposal

Subpart H minimum payment amount applies.

Number of Gallons	Cost per Gallon (\$)	Total Cost (\$)

E. Drum Disposal

Subpart H minimum payment amount applies.

Number of Drums of Solid Waste	Cost per Drum (\$)	Total Cost (\$)
1	309.79	309.79
Number of Drums of Liquid Waste	Cost per Drum (\$)	Total Cost (\$)
Total Drum Disposal Costs		619.57

Total Remediation and Disposal Costs:	\$619.57
----------------------------------------------	-----------------

Consulting Personnel Costs Form

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Admin. Assistant	4.50	55.76	\$250.92
Stage 2-Plan	Prepare/submit Stage 2 Site Investigation Plan to O/O and IEPA			
	Senior Project Manager	14.00	123.91	\$1,734.74
Stage 2-Plan	Consult D/O regarding proposed scope of work, project status and tentative schedule			
	Senior Acct. Technician	6.00	68.14	\$408.84
Stage 1-Pay	Prepare Stage 1 Site Investigation reimbursement application			
	Senior Project Manager	12.00	123.91	\$1,486.92
Stage 2-Plan	Draft Stage 2 Site Investigation Plan			
	Senior Project Manager	6.50	123.91	\$805.41
Stage 2-Budget	Prepare Stage 2 Site Investigation Budget			
	Senior Admin. Assistant	1.50	55.76	\$83.64
Stage 1-Pay	Prepare/submit Stage 1 Site Investigation reimbursement application to IEPA			
	Senior Prof. Geologist	1.50	136.31	\$204.47
Stage 1-Pay	Review/certify Stage 1 Site Investigation reimbursement application			
	Senior Project Manager	4.00	123.91	\$495.64
Stage 2-Field	On-site meeting with O/O to review/evaluate IEPA requested Stage 2 boring & well locations			
	Senior Project Manager	2.50	123.91	\$309.77
Stage 2-Plan	Revise site maps reflective of IEPA modifications and forward to Draftsperson			

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Draftperson/CAD	5.00	74.34	\$371.70
Stage 2-Plan	Prepare maps/figures included in Stage 2 Site Investigation Plan			
	Senior Prof. Geologist	2.00	136.31	\$272.62
Stage 2-Plan	Review/certify Stage 2 Site Investigation Plan			
	Senior Prof. Geologist	1.00	136.31	\$136.31
Stage 2-Budget	Review/certify Stage 2 Site Investigation Plan Budget			
	Senior Project Manager	7.00	123.91	\$867.37
Stage 2-Plan	Correspondence/communications with O/O & IEPA regarding buried utilities south of store building			
	Senior Project Manager	4.00	125.15	\$500.60
Stage 2-Plan	Coordinate/schedule Stage 2 Site Investigation field activities. Secure drilling & analytical services			
	Senior Project Manager	2.00	125.15	\$250.30
Stage 2-Plan	Consult O/O regarding revised scope of work and field schedule			
	Senior Project Manager	5.00	125.15	\$625.75
Stage 2-Plan	Second on-site meeting with O/O to review/evaluate IEPA suggested alternate drilling locations			
	Senior Scientist	4.00	106.38	\$425.52
Stage 2-Results	Transcribe Boring Logs & Well Completion Form. Revised analytical summaries			
	Senior Project Manager	8.00	125.15	\$1,001.20
Stage 2-Field	Supervise/document soil boring activities. Soil hydrocarbon screening & sample collection, mapping			

Employee Name		Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task				
		Geologist III	2.50	110.13	\$275.32
Stage 2-Field	Prepare soil samples for shipment				
		Senior Project Manager	5.00	125.15	\$625.75
Stage 2-Results	Compile/review/evaluate field data and analytical results				
		Senior Draftperson/CAD	.50	75.08	\$37.54
Stage 2-Results	Revise site maps reflective of Stage 2 Site Investigation				
		Senior Project Manager	7.00	125.15	\$876.05
Stage 2-Plan	Research/negotiate access to adjoining property so drilling equipment could install BH6/MW6				
		Senior Project Manager	3.00	125.15	\$375.45
Stage 2-Plan	Coordinate/schedule installation of BH6/MW6. Secure drilling & analytical services				
		Senior Project Manager	10.00	125.15	\$1,251.50
Stage 2-Field	Document field activities, log BH6, document installation of MW6, soil sample collection, mapping				
		Senior Project Manager	4.00	125.15	\$500.60
Stage 2-Field	Develop monitoring well MW-6				
		Senior Project Manager	5.00	125.15	\$625.75
Stage 2-Field	Survey well risers				
		Senior Technician	3.00	81.34	\$244.02
Stage 2-Field	Survey well risers				

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Accl. Technician	5.00	68.83	\$344.15
Stage 2-Pay	Prepare Stage 2 Site Investigation actual cost summary			
	Senior Accl. Technician	6.00	68.83	\$412.98
Stage 2-Pay	Prepare Stage 2 Site Investigation reimbursement application			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	\$15,800.84
--------------------------------------------	--------------------

Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification			
Mileage	52.00	.54	Mile	\$28.08
Stage 2-Plan	Onsite meeting with O/O to discuss/evaluate IEPA modified drilling locations			
Digital Camera	1.00	30.00	Day	\$30.00
Stage 2-Plan	Photo-document UST & buried utilities in relation to IEPA modified drilling locations			
Photionization Detector	1.00	135.00	Day	\$135.00
Stage 2-Field	Soil hydrocarbon screening and sample collection			
Digital Camera	1.00	30.00	Day	\$30.00
Stage 2-Field	Photo-document Stage 2 drilling activities			
Zip Lock Bags	8.00	.25	Each	\$2.00
Stage 2-Field	Soil hydrocarbon screening and sample collection			
Latex Gloves	28.00	.40	Each	\$11.20
Stage 2-Field	Soil hydrocarbon screening and sample collection			
Ice	1.00	1.81	LS	\$1.81
Stage 2-Field	Soil sample preservation			
Mileage	70.00	.54	Mile	\$37.80
Stage 2-Field	Stage 2 drilling and soil sample collection			
Mileage	51.00	.54	Mile	\$27.54
Stage 2-Plan	Visit adjoining property & Hamilton Co. Courthouse to identify adjoining Property Owner			

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification			
Photoionization Detector	1.00	135.00	Day	\$135.00
Stage 2-Field	Soil hydrocarbon screening and sample collection at boring location BH-6			
Digital Camera	1.00	30.00	Day	\$30.00
Stage 2-Field	Photo-document advancement of boring BH-6 and installation of monitoring well MW-6			
Mileage	98.00	.54	Mile	\$52.92
Stage 2-Field	Advancement of boring BH-6 and installation of monitoring well MW-6			
Zip Lock Bags	8.00	.25	Each	\$2.00
Stage 2-Field	Soil hydrocarbon screening and sample collection at boring BH-6			
Latex Gloves	16.00	.40	Each	\$6.40
Stage 2-Field	Soil hydrocarbon screening and sample collection at boring BH-6			
Water Level Indicator	2.00	30.00	Day	\$60.00
Stage 2-Field	Well development and groundwater sample collection			
Survey Equipment	1.00	150.00	Day	\$150.00
Stage 2-Field	Survey well risers to include MW-6 as data point in groundwater flow direction/gradient			
Bailer	1.00	25.00	Each	\$25.00
Stage 2-Field	Well development and groundwater sample collection at monitoring well MW-6			
Mileage	213.00	.54	Mile	\$115.02
Stage 2-Field	Well development and groundwater sample collection at monitoring well MW-6 (2 trips)			

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification			

Latex Gloves	12.00	.40	Each	\$4.80
Stage 2-Field	Well development, groundwater sample collection and groundwater survey			

Total of Consultant Materials Costs	\$884.57
--------------------------------------------	-----------------

Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form

I hereby certify that I intend to seek payment from the UST Fund for costs incurred while performing corrective action activities for Leaking UST incident 20130569. I further certify that the costs set forth in this budget are for necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57, no costs are included in this budget that are not described in the corrective action plan, and no costs exceed Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734. I further certify that costs ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 732.606 or 734.630 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal fees or costs.
- Costs incurred prior to July 28, 1989.
- Costs associated with installation of new USTs or the repair of existing USTs.

Owner/Operator: IL Pit Stop, LLC

Authorized Representative: Roger Swartz

Title: Owner

Signature: [Signature]

Date: 12-20-16

RECEIVED
DEC 30 2016

Subscribed and sworn to before me the 20th day of December, 2016

[Signature]
(Notary Public)

JILL S PRINCE
Official Seal
Notary Public - State of Illinois
My Commission Expires Sep 15, 2020

EPA/BOL

In addition, I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in the plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

L.P.E./L.P.G.: Kelly L. Tensmeyer

L.P.E./L.P.G. Seal:

L.P.E./L.P.G. Signature: [Signature]

Date: 11-29-16

LICENSED PROFESSIONAL GEOLOGIST
KELLY L TENSMEYER
196.001293
ILLINOIS

Subscribed and sworn to before me the 29th day of November, 2016

[Signature]
(Notary Public)

OFFICIAL SEAL
GINA L GOODIEL
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES JANUARY 29, 2021

The Illinois EPA is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.

APPENDIX F
Stage 3 Site Investigation Budget



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

General Information for the Budget and Billing Forms

LPC #: 0650205017 County: Hamilton

City: McLeansboro Site Name: IL Pit Stop, LLC

Site Address: 211 E Randolph

IEMA Incident No.: 20130569 20001319

IEMA Notification Date: May 15, 2013 Jul 24, 2000

Date this form was prepared: 11/09/2016

This form is being submitted as a (check one, if applicable):

- Budget Proposal
- Budget Amendment (Budget amendments must include only the costs over the previous budget.)
- Billing Package

Please provide the name(s) and date(s) of report(s) documenting the costs requested: DEC 30 2016

Name(s): _____

Date(s): _____

RECEIVED

LEPA/BOL

This package is being submitted for the site activities indicated below:

35 Ill. Adm. Code 734:

- Early Action
- Free Product Removal after Early Action
- Site Investigation Stage 1: Stage 2: Stage 3:
- Corrective Action Actual Costs Proposed

35 Ill. Adm. Code 732:

- Early Action
- Free Product Removal after Early Action
- Site Classification
- Low Priority Corrective Action
- High Priority Corrective Action

35 Ill. Adm. Code 731:

- Site Investigation
- Corrective Action

General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund.

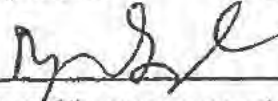
Pay to the order of: IL Pit Stop, LLC

Send in care of: Chase Environmental Group, Inc.

Address: PO Box AB

City: Centralia State: IL Zip: 62801

The payee is the: Owner Operator (Check one or both.)



Signature of the owner or operator of the UST(s) (required)

W-9 must be submitted.
[Click here to print off a W-9 Form.](#)

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator, any subsidiary, parent or joint stock company of the owner or operator, and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: 101 or more:

Number of USTs at the site: 5 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 2

Incident Numbers assigned to the site due to releases from USTs: 20130569 20001319

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?	Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	8,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	20001319	Tank Leak
Gasoline	4,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	20001319	Tank Leak
Gasoline	2,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	20130569	Tank Leak
Gasoline	6,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Diesel	2,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

Budget Summary

Choose the applicable regulation: 734 732

734	Free Product	Stage 1 Site Investigation	Stage 2 Site Investigation	Stage 3 Site Investigation	Corrective Action
Drilling and Monitoring Well Costs Form	\$	\$	\$	\$ 1,501.84	\$
Analytical Costs Form	\$	\$	\$	\$ 300.38	\$
Remediation and Disposal Costs Form	\$	\$	\$	\$	\$
UST Removal and Abandonment Costs Form	\$	\$	\$	\$	\$
Paving, Demolition, and Well Abandonment Costs Form	\$	\$	\$	\$	\$
Consulting Personnel Costs Form	\$	\$	\$	\$ 14,392.16	\$
Consultant's Materials Costs Form	\$	\$	\$	\$ 646.70	\$
Handling Charges Form	Handling charges will be determined at the time a billing package is submitted to the Illinois EPA. The amount of allowable handling charges will be determined in accordance with the Handling Charges Form.				
Total	\$	\$	\$	\$ 16,841.08	\$

Drilling and Monitoring Well Costs Form

1. Drilling

Number of Borings to Be Drilled	Type HSA/PUSH/ Injection	Depth (feet) of Each Boring	Total Feet Drilled	Reason for Drilling
1	PUSH	10.00	10.00	Proposed Stage 3 Soil Boring

Subpart H minimum payment amount applies.

	Total Feet	Rate per Foot (\$)	Total Cost (\$)
Total Feet via HSA:			
Total Feet via PUSH:	10.00	22.53	225.30
Total Feet for Injection via PUSH:			
Total Drilling Costs:			1,501.84

2. Monitoring / Recovery Wells

Number of Wells	Type of Well HSA / PUSH / 4" or 6" Recovery / 8" Recovery	Diameter of Well (inches)	Depth of Well (feet)	Total Feet of Wells to Be Installed (\$)

Well Installation	Total Feet	Rate per Foot (\$)	Total Cost (\$)
Total Feet via HSA:			
Total Feet via PUSH:			
Total Feet of 4" or 6" Recovery:			
Total Feet of 8" or Greater Recovery:			
Total Well Costs:			

Total Drilling and Monitoring Well Costs	\$1,501.84
-------------------------------------------------	-------------------

Analytical Costs Form

Laboratory Analysis	Number of Samples		Cost (\$) per Analysis		Total per Parameter
Chemical Analysis					
BETX Soil with MTBE EPA 8260	2	X	106.38	=	\$212.76
BETX Water with MTBE EPA 8260		X		=	
COD (Chemical Oxygen Demand)		X		=	
Corrosivity		X		=	
Flash Point or Ignitability Analysis EPA 1010		X		=	
Fraction Organic Carbon Content (f_{OC}) ASTM-D 2974-00		X		=	
Fat, Oil, & Grease (FOG)		X		=	
LUST Pollutants Soil - analysis must include volatile, base/neutral, polynuclear aromatics and metals list in Section 732, Appendix B and 734. Appendix B		X		=	
Dissolved Oxygen (DO)		X		=	
Paint Filter (Free Liquids)		X		=	
PCB / Pesticides (combination)		X		=	
PCBs		X		=	
Pesticides		X		=	
pH		X		=	
Phenol		X		=	
Polynuclear Aromatics PNA, or PAH SOIL EPA 8270		X		=	
Polynuclear Aromatics PNA, or PAH WATER EPA 8270		X		=	
Reactivity		X		=	
SVOC - Soil (Semi-Volatile Organic Compounds)		X		=	
SVOC - Water (Semi-Volatile Organic Compounds)		X		=	
TKN (Total Kjeldahl) "nitrogen"		X		=	
TPH (Total Petroleum Hydrocarbons)		X		=	
VOC (Volatile Organic Compounds) - Soil (Non-Aqueous)		X		=	
VOC (Volatile Organic Compounds) - Water		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
Geo-Technical Analysis					
Soil Bulk Density (ρ_b) ASTM D2937-94		X		=	
Ex-situ Hydraulic Conductivity / Permeability		X		=	
Moisture Content (w) ASTM D2216-92 / D4643-93		X		=	
Porosity		X		=	
Rock Hydraulic Conductivity Ex-situ		X		=	
Sieve / Particle Size Analysis ASTM D422-63 / D1140-54		X		=	
Soil Classification ASTM D2486-90 / D2487-90		X		=	
Soil Particle Density (ρ_s) ASTM D854-92		X		=	
		X		=	
		X		=	
		X		=	

Analytical Costs Form

Metals Analysis					
Soil preparation fee for Metals TCLP Soil (one fee per soil sample)		X		=	
Soil preparation fee for Metals Total Soil (one fee per soil sample)		X		=	
Water preparation fee for Metals Water (one fee per water sample)		X		=	
Arsenic TCLP Soil		X		=	
Arsenic Total Soil		X		=	
Arsenic Water		X		=	
Barium TCLP Soil		X		=	
Barium Total Soil		X		=	
Barium Water		X		=	
Cadmium TCLP Soil		X		=	
Cadmium Total Soil		X		=	
Cadmium Water		X		=	
Chromium TCLP Soil		X		=	
Chromium Total Soil		X		=	
Chromium Water		X		=	
Cyanide TCLP Soil		X		=	
Cyanide Total Soil		X		=	
Cyanide Water		X		=	
Iron TCLP Soil		X		=	
Iron Total Soil		X		=	
Iron Water		X		=	
Lead TCLP Soil		X		=	
Lead Total Soil		X		=	
Lead Water		X		=	
Mercury TCLP Soil		X		=	
Mercury Total Soil		X		=	
Mercury Water		X		=	
Selenium TCLP Soil		X		=	
Selenium Total Soil		X		=	
Selenium Water		X		=	
Silver TCLP Soil		X		=	
Silver Total Soil		X		=	
Silver Water		X		=	
Metals TCLP Soil (a combination of all metals) RCRA		X		=	
Metals Total Soil (a combination of all metals) RCRA		X		=	
Metals Water (a combination of all metals) RCRA		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
Other					
EnCore® Sampler, purge-and-trap sampler, or equivalent sampling device	2	X	12.52	=	\$25.04
Sample Shipping per sampling event ¹	1	X	62.58	=	\$62.58

¹A sampling event, at a minimum, is all samples (soil and groundwater) collected in a calendar day.

Total Analytical Costs: \$ 300.38

Consulting Personnel Costs Form

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	4.00	125.15	\$500.60
Stage 2-Results	Calculate groundwater elevations, identify site map revisions			
	Senior Project Manager	2.00	125.15	\$250.30
Stage 3-Plan	Evaluate Stage 2 results, determine Stage 3 scope of work			
	Senior Project Manager	16.00	125.15	\$2,002.40
Stage 3-Plan	Draft Stage 3 Site Investigation Plan			
	Senior Project Manager	8.00	125.15	\$1,001.20
Stage 3-Budget	Prepare proposed 3 Site Investigation Budget			
	Senior Draftperson/CAD	8.00	75.08	\$600.64
Stage 3-Plan	Prepare site maps/figures included in Stage 3 Site Investigation Plan			
	Senior Prof. Engineer	2.00	162.70	\$325.40
Stage 3-Plan	Review/certify amended Stage 3 Site Investigation Plan			
	Senior Prof. Engineer	2.00	162.70	\$325.40
Stage 3-Budget	Review/certify Stage 3 Site Investigation Budget			
	Senior Admin. Assistant	6.00	56.32	\$337.92
Stage 3-Plan	Prepare/submit Stage 3 Site Investigation Plan to IL Pit Stop, LLC and IEPA			
	Geologist III	10.00	110.13	\$1,101.30
Stage 3-Field	Log soil boring, soil sample collection & hydrocarbon screening, site mapping (includes travel)			

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	16.00	125.15	\$2,002.40
Stage 3-Field	Secure drilling & analytical services. Coordinate/schedule/supervise field activities			
	Senior Scientist	4.00	106.38	\$425.52
Stage 3-Plan	Transcribe boring logs, revise analytical summaries			
	Senior Project Manager	16.00	125.15	\$2,002.40
SICR	Draft SICR			
	Senior Acct. Technician	16.00	68.83	\$1,101.28
Stage 3-Pay	Summarize Stage 3 Site Investigation actual costs			
	Senior Prof. Engineer	2.00	162.70	\$325.40
SICR	Review/certify SICR			
	Senior Prof. Engineer	2.00	162.70	\$325.40
Stage 3-Pay	Review/certify Stage 3 Site Investigation actual costs summary			
	Senior Acct. Technician	16.00	68.83	\$1,101.28
Stage 3-Pay	Prepare Stage 3 Site Investigation Reimbursement Application			
	Senior Prof. Engineer	2.00	162.70	\$325.40
Stage 3-Pay	Review/certify Stage 2 Site Investigation Reimbursement Application			
	Senior Admin. Assistant	6.00	56.32	\$337.92
Stage 3-Pay	Prepare/submit copies of Stage 3 Site Investigation Reimbursement Application to O/O & IEPA			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	\$14,392.16
--------------------------------------------	--------------------

Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase		Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification				
Copies		3.00	30.00	each	\$90.00
Stage 3-Plan	Prepare copies of Stage 3 Site Investigation Plan for O/O (1 copy) & IEPA (2 copies)				
Postage		1.00	7.50	LS	\$7.50
Stage 3-Plan	Submittal of Stage 3 Site Investigation Plan to O/O				
Postage		1.00	12.50	LS	\$12.50
Stage 3-Plan	Submittal of Stage 3 Site Investigation Plan to IEPA				
Vehicle		1.00	178.00	Day	\$178.00
Stage 3-Field	Stage 3 soil investigation				
PID		1.00	135.00	Day	\$135.00
Stage 3-Field	Soil hydrocarbon screening & sample collection				
Copies		3.00	30.00	each	\$90.00
SICR	Preparation of SICR for O/O (1 copy) and IEPA (2 copies)				
Postage		1.00	7.50	LS	\$7.50
SICR	Submittal of SICR to O/O				
Postage		1.00	12.50	LS	\$12.50
SICR	Submittal of SICR to IEPA				
Copies		2.00	30.00	each	\$60.00
Stage 3-Pay	Preparation of Stage 3 Site Investigation reimbursement application for O/O & IEPA				

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification			
Postage	1.00	7.50	LS	\$7.50
Stage 3-Pay	Submittal of Stage 3 Site Investigation reimbursement application to O/D			
Postage	1.00	12.50	LS	\$12.50
Stage 3-Pay	Submittal of Stage 3 Site Investigation reimbursement application to IEPA			
Digital Camera	1.00	30.00	Day	\$30.00
Stage 3-Field	Document Stage 3 Site Investigation field activities			
Latex Gloves	8.00	.40	Each	\$3.20
Stage 3-Field	Soil hydrocarbon screening and sample collection			
Zip Lock Bags	2.00	.25	Each	\$5.50
Stage 3-Field	Soil hydrocarbon screening and sample collection			

Total of Consultant Materials Costs	\$646.70
--------------------------------------------	-----------------

Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form

I hereby certify that I intend to seek payment from the UST Fund for costs incurred while performing corrective action activities for Leaking UST incident 20130569. I further certify that the costs set forth in this budget are for necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57, no costs are included in this budget that are not described in the corrective action plan, and no costs exceed Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734. I further certify that costs ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 732.606 or 734.630 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal fees or costs.
- Costs incurred prior to July 28, 1989.
- Costs associated with installation of new USTs or the repair of existing USTs.

RECEIVED
DEC 30 2016
IEPA/BOL

Owner/Operator: IL Pit Stop, LLC

Authorized Representative: Roger Swartz

Title: Owner

Signature: [Signature]

Date: 12-20-16

Subscribed and sworn to before me the 20th day of December, 2016

Jill S. Prince
(Notary Public)

Seal: JILL S PRINCE
Official Seal
Notary Public - State of Illinois
My Commission Expires Sep 15, 2020

In addition, I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments prepared under my supervision; that, to the best of my knowledge and belief, the work described in the plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 759 Ill. Adm. Code 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Section 244 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

PROFESSIONAL GEOLOGIST
KELLY L TENSMEYER
196.001293
ILLINOIS

L.P.E./L.P.G.: Kelly L. Tensmeyer

L.P.E./L.P.G. Seal:

L.P.E./L.P.G. Signature: Kelly L Tensmeyer

Date: 11-29-16

Subscribed and sworn to before me the 29th day of November, 2016

Gina L Goodiel
(Notary Public)

Seal: OFFICIAL SEAL
GINA L GOODIEL
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES JANUARY 29, 2021

The Illinois EPA is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.

APPENDIX G
Eligibility & Deductible Determination



Office of the Illinois
State Fire Marshal
"Partnering With the Fire Service to Protect Illinois"

CERTIFIED MAIL - RECEIPT REQUESTED #7012 1010 0002 9120 6783

August 22, 2013

IL Pit Stop, LLC
P.O. Box 27
McLeansboro, IL 62859

In Re: Facility No. 7-006710
IEMA Incident No. 13-0569
IL Pit Stop
211 E. Randolph
McLeansboro, Hamilton Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on July 22, 2013 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

It has been determined that you are eligible to seek payment of costs in excess of \$5,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

Tank 3 2 ,000 gallon Gasoline

You must contact the Illinois Environmental Protection Agency to receive a packet of Agency billing forms for submitting your request for payment.

An owner or operator is eligible to access the Underground Storage Tank Fund if the eligibility requirements are satisfied:

1. Neither the owner nor the operator is the United States Government,
2. The tank does not contain fuel which is exempt from the Motor Fuel Tax Law,
3. The costs were incurred as a result of a confirmed release of any of the following substances:

"Fuel", as defined in Section 1.19 of the Motor Fuel Tax Law

Aviation fuel

Heating oil

Kerosene

Used oil, which has been refined from crude oil used in a motor vehicle, as defined in Section 1.3 of the Motor Fuel Tax Law.

4. The owner or operator registered the tank and paid all fees in accordance with the statutory and regulatory requirements of the Gasoline Storage Act.
5. The owner or operator notified the Illinois Emergency Management Agency of a confirmed release, the costs were incurred after the notification and the costs were a result of a release of a substance listed in this Section. Costs of corrective action or indemnification incurred before providing that notification shall not be eligible for payment.
6. The costs have not already been paid to the owner or operator under a private insurance policy, other written agreement, or court order.
7. The costs were associated with "corrective action".

This constitutes the final decision as it relates to your eligibility and deductibility. We reserve the right to change the deductible determination should additional information that would change the determination become available. An underground storage tank owner or operator may appeal the decision to the Illinois Pollution Control Board (Board), pursuant to Section 57.9 (c) (2). An owner or operator who seeks to appeal the decision shall file a petition for a hearing before the Board within 35 days of the date of mailing of the final decision, (35 Illinois Administrative Code 105.504(b)).

For information regarding the filing of an appeal, please contact:

Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601
(312) 814-3620


The following tanks are also listed for this site:

Tank 1 8,000 gallon Gasoline
Tank 2 4,000 gallon Gasoline
Tank 4 6,000 gallon Gasoline
Tank 5 2,000 gallon Diesel Fuel
Tank 6 6,000 gallon Diesel Fuel

Your application indicates that there has not been a release from these tanks under this incident number. You may be eligible to seek payment of corrective action costs associated with these tanks if it is determined that there has been a release from one or more of these tanks. Once it is determined that there has been a release from one or more of these tanks you may submit a separate application for an eligibility determination to seek corrective action costs associated with this/these tanks.

If you have any questions, please contact our Office at (217) 785-1020 or (217) 785-5878.

Sincerely,



Deanne Lock
Administrative Assistant
Division of Petroleum and Chemical Safety

cc: IEPA
Facility File

From: Marvin Johnson [<mailto:mjohnson@chaseenv.com>]
Sent: Thursday, April 13, 2017 12:48 PM
To: Duane Doty <ddoty@chaseenv.com>
Subject: Fwd: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Sent from my iPhone

Marvin Johnson
Chase Environmental Group
Cell: 618-322-8935

Begin forwarded message:

From: "Kuhlman, Eric" <Eric.Kuhlman@Illinois.gov>
Date: April 13, 2017 at 11:10:48 AM CDT
To: Marvin Johnson <mjohnson@chaseenv.com>
Subject: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin, I'm in the process of reviewing your latest submittal for the above-mentioned site, I determined that you'll need to justify the following rates with additional documentation:

- PID,
- Water level indicator,
- Survey equipment, and
- Bailers

Please provide this documentation as soon as possible so I can continue my review.

Thanks in advance,

Eric Kuhlman
Environmental Protection Engineer
Leaking UST Section

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return

e-mail and destroy this communication and all copies thereof, including all attachments.
Receipt by an unintended recipient does not waive attorney-client privilege, attorney work
product privilege, or any other exemption from disclosure.

Kuhlman, Eric

From: Duane Doty <ddoty@chaseenv.com>
Sent: Thursday, April 13, 2017 4:13 PM
To: 'Marvin Johnson'; Kuhlman, Eric
Subject: [External] RE: IL Pitstop In McLeansboro -- LUST incident #2013 0569

Marvin & Eric,

The rates relative to the equipment listed below were approved as a Stage 1 Actual Cost on February 9, 2016 except for the camera which was denied because no photos had been submitted to IEPA. The same rates were again approved on March 20, 2016 as part of a proposed Stage 2 Site Investigation Plan Budget. IEPA modified a Technician I hourly rate in its May 20, 2016 decision, but made no modification to any of the proposed equipment rates. The same rates were reimbursed as Stage 1 Site Investigation costs incurred on July 19, 2016. The rates included in the Stage 2 Site Investigation Actual Costs and Stage 3 Site Investigation Plan Budget submitted on 12/30/2016 are consistent with the budgets, actual costs and reimbursed costs deemed reasonable by IEPA on February 2, 2016, May 20, 2016 and July 19, 2016. IEPA's action to deem the rates included in the 12/30/2016 submittal as reasonable and eligible for reimbursement three times in less than a year prior should provide ample justification.

In addition, in Knapp Oil Co. v. IEPA, PCB 16-103 (September 22, 2016) the Board ruled the \$30/day camera rate is reasonable and does not violate the Act or Board regulations.

In Malkey v. IEPA, PCB 92-104 the Board ruled a PID daily rate of \$142/day is a reasonable cost for reimbursement from the Fund.

Hopefully, the above satisfies Eric's inquiry. If not, can you (Eric) offer some insight regarding what kind of "justification" you're looking for in regard to the 12/30/2016 submittal that wasn't offered in the previous budgets, actual cost summaries and claims IEPA approved/reimbursed in February, May and July of the same year?

I've noticed there have been multiple requests by IEPA lately to justify equipment rates it has considered reasonable for over a decade(s). It's my understanding this has choked the docket with appeals concerning equipment rates and that the lack of such rates in Subpart H is routinely identified by IEPA as justification for the rash of requests. If the issue is rooted in the lack of equipment rates in Subpart H, why isn't it be resolved through the rule making process instead of attempting to resolve it through the IPCB appeal process? Or, is it? It appears that if Subpart H were revised to include equipment rates, the issue would not only be resolved, but would also provide consistency for both the O/O and IEPA. However, I'm not aware of any such action. Is IEPA in the process of addressing this issue with the Board as a rule making effort?

Also, it's my understanding IEPA has determined a rate for each piece of equipment/material listed in the email below it (IEPA) will approve without justification from the O/O or its Consultant. If IEPA already has a rate it's willing to approve as reasonable, why doesn't it (IEPA) just modify the rate like it modified the Technician I rate in its May 20, 2016 decision letter? Or somehow make these "new rates"

known so we (O/Os & IEPA) can be more streamlined in preparing, reviewing and approving budget, actual costs and claims?

From: Marvin Johnson [mailto:mjohnson@chaseenv.com]
Sent: Thursday, April 13, 2017 12:48 PM
To: Duane Doty <ddoty@chaseenv.com>
Subject: Fwd: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Sent from my iPhone

Marvin Johnson
Chase Environmental Group
Cell: 618-322-8935

Begin forwarded message:

From: "Kuhlman, Eric" <Eric.Kuhlman@Illinois.gov>
Date: April 13, 2017 at 11:10:48 AM CDT
To: Marvin Johnson <mjohnson@chaseenv.com>
Subject: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin, I'm in the process of reviewing your latest submittal for the above-mentioned site, I determined that you'll need to justify the following rates with additional documentation:

- PID,
- Water level indicator,
- Survey equipment, and
- Bailers

Please provide this documentation as soon as possible so I can continue my review.

Thanks in advance,

Eric Kuhlman
Environmental Protection Engineer
Leaking UST Section

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product,

Kuhlman, Eric

From: Duane Doty <ddoty@chaseenv.com>
Sent: Friday, April 14, 2017 11:18 AM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

I'm not sure Chase provided IL Pitstop a quote to complete the scope of work it (IL Pitstop) proposed in the CAP. I don't think that doing so is a common practice. Will a copy of an invoice documenting IL Pitstop has recently incurred (and been reimbursed) the same rates suffice? That would certainly take less time than preparing a quote and a copy of a recent invoice from its Consultant documenting rates identical to those IL Pitstop proposed in its budget should support that it's reasonable to conclude that these same rates will again be incurred to complete the scope of work proposed in the CAP. Or, is there some question that IL Pitstop will actually incur these rates during completion of the proposed scope of work?

I apologize for the confusion. Providing an O/O with a quote to complete a scope of work proposed in a CAP seems like an unusual request to me.

Thanks

From: Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]
Sent: Friday, April 14, 2017 9:34 AM
To: Duane Doty <ddoty@chaseenv.com>
Cc: Marvin Johnson <mjohnson@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Duane, all I need is a quote for your PID and your survey equipment?

From: Duane Doty [mailto:ddoty@chaseenv.com]
Sent: Thursday, April 13, 2017 4:13 PM
To: 'Marvin Johnson'; Kuhlman, Eric
Subject: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin & Eric,

The rates relative to the equipment listed below were approved as a Stage 1 Actual Cost on February 9, 2016 except for the camera which was denied because no photos had been submitted to IEPA. The same rates were again approved on March 20, 2016 as part of a proposed Stage 2 Site Investigation Plan Budget. IEPA modified a Technician I hourly rate in its May 20, 2016 decision, but made no modification to any of the proposed equipment rates. The same rates were reimbursed as Stage 1 Site Investigation costs incurred on July 19, 2016. The rates included in the Stage 2 Site Investigation Actual Costs and Stage 3 Site Investigation Plan Budget submitted on 12/30/2016 are consistent with the budgets, actual costs and reimbursed costs deemed reasonable by IEPA on February 2, 2016, May 20, 2016 and July 19,

2016. IEPA's action to deem the rates included in the 12/30/2016 submittal as reasonable and eligible for reimbursement three times in less than a year prior should provide ample justification.

In addition, in Knapp Oil Co. v. IEPA, PCB 16-103 (September 22, 2016) the Board ruled the \$30/day camera rate is reasonable and does not violate the Act or Board regulations.

In Malkey v. IEPA, PCB 92-104 the Board ruled a PID daily rate of \$142/day is a reasonable cost for reimbursement from the Fund.

Hopefully, the above satisfies Eric's inquiry. If not, can you (Eric) offer some insight regarding what kind of "justification" you're looking for in regard to the 12/30/2016 submittal that wasn't offered in the previous budgets, actual cost summaries and claims IEPA approved/reimbursed in February, May and July of the same year?

I've noticed there have been multiple requests by IEPA lately to justify equipment rates it has considered reasonable for over a decade(s). It's my understanding this has choked the docket with appeals concerning equipment rates and that the lack of such rates in Subpart H is routinely identified by IEPA as justification for the rash of requests. If the issue is rooted in the lack of equipment rates in Subpart H, why isn't it be resolved through the rule making process instead of attempting to resolve it through the IPCB appeal process? Or, is it? It appears that if Subpart H were revised to include equipment rates, the issue would not only be resolved, but would also provide consistency for both the O/O and IEPA. However, I'm not aware of any such action. Is IEPA in the process of addressing this issue with the Board as a rule making effort?

Also, it's my understanding IEPA has determined a rate for each piece of equipment/material listed in the email below it (IEPA) will approve without justification from the O/O or its Consultant. If IEPA already has a rate it's willing to approve as reasonable, why doesn't it (IEPA) just modify the rate like it modified the Technician I rate in its May 20, 2016 decision letter? Or somehow make these "new rates" known so we (O/Os & IEPA) can be more streamlined in preparing, reviewing and approving budget, actual costs and claims?

From: Marvin Johnson [<mailto:mjohnson@chaseenv.com>]
Sent: Thursday, April 13, 2017 12:48 PM
To: Duane Doty <ddoty@chaseenv.com>
Subject: Fwd: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Sent from my iPhone

Marvin Johnson
Chase Environmental Group
Cell: 618-322-8935

Begin forwarded message:

From: "Kuhlman, Eric" <Eric.Kuhlman@Illinois.gov>
Date: April 13, 2017 at 11:10:48 AM CDT
To: Marvin Johnson <mjohnson@chaseenv.com>
Subject: IL Pitstop in McLeansboro – LUST incident #2013 0569

Marvin, I'm in the process of reviewing your latest submittal for the above-mentioned site, I determined that you'll need to justify the following rates with additional documentation:

- PID,
- Water level indicator,
- Survey equipment, and
- Bailers

Please provide this documentation as soon as possible so I can continue my review.

Thanks in advance,

Eric Kuhlman
Environmental Protection Engineer
Leaking UST Section

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

Kuhlman, Eric

From: Duane Doty <ddoty@chaseenv.com>
Sent: Friday, April 14, 2017 12:08 PM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Ok. There should be one in the reimbursement claim that IEPA reimbursed just a few months ago. I'll send you a copy

From: Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]
Sent: Friday, April 14, 2017 11:38 AM
To: Duane Doty <ddoty@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Even better, a copy of an invoice will do nicely. Thank you

From: Duane Doty [mailto:ddoty@chaseenv.com]
Sent: Friday, April 14, 2017 11:18 AM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

I'm not sure Chase provided IL Pitstop a quote to complete the scope of work it (IL Pitstop) proposed in the CAP. I don't think that doing so is a common practice. Will a copy of an invoice documenting IL Pitstop has recently incurred (and been reimbursed) the same rates suffice? That would certainly take less time than preparing a quote and a copy of a recent invoice from its Consultant documenting rates identical to those IL Pitstop proposed in its budget should support that it's reasonable to conclude that these same rates will again be incurred to complete the scope of work proposed in the CAP. Or, is there some question that IL Pitstop will actually incur these rates during completion of the proposed scope of work?

I apologize for the confusion. Providing an O/O with a quote to complete a scope of work proposed in a CAP seems like an unusual request to me.

Thanks

From: Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]
Sent: Friday, April 14, 2017 9:34 AM
To: Duane Doty <ddoty@chaseenv.com>
Cc: Marvin Johnson <mjohnson@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Duane, all I need is a quote for your PID and your survey equipment?

From: Duane Doty [<mailto:ddoty@chaseenv.com>]
Sent: Thursday, April 13, 2017 4:13 PM
To: 'Marvin Johnson'; Kuhlman, Eric
Subject: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin & Eric,

The rates relative to the equipment listed below were approved as a Stage 1 Actual Cost on February 9, 2016 except for the camera which was denied because no photos had been submitted to IEPA. The same rates were again approved on March 20, 2016 as part of a proposed Stage 2 Site Investigation Plan Budget. IEPA modified a Technician I hourly rate in its May 20, 2016 decision, but made no modification to any of the proposed equipment rates. The same rates were reimbursed as Stage 1 Site Investigation costs incurred on July 19, 2016. The rates included in the Stage 2 Site Investigation Actual Costs and Stage 3 Site Investigation Plan Budget submitted on 12/30/2016 are consistent with the budgets, actual costs and reimbursed costs deemed reasonable by IEPA on February 2, 2016, May 20, 2016 and July 19, 2016. IEPA's action to deem the rates included in the 12/30/2016 submittal as reasonable and eligible for reimbursement three times in less than a year prior should provide ample justification.

In addition, in Knapp Oil Co. v. IEPA, PCB 16-103 (September 22, 2016) the Board ruled the \$30/day camera rate is reasonable and does not violate the Act or Board regulations.

In Malkey v. IEPA, PCB 92-104 the Board ruled a PID daily rate of \$142/day is a reasonable cost for reimbursement from the Fund.

Hopefully, the above satisfies Eric's inquiry. If not, can you (Eric) offer some insight regarding what kind of "justification" you're looking for in regard to the 12/30/2016 submittal that wasn't offered in the previous budgets, actual cost summaries and claims IEPA approved/reimbursed in February, May and July of the same year?

I've noticed there have been multiple requests by IEPA lately to justify equipment rates it has considered reasonable for over a decade(s). It's my understanding this has choked the docket with appeals concerning equipment rates and that the lack of such rates in Subpart H is routinely identified by IEPA as justification for the rash of requests. If the issue is rooted in the lack of equipment rates in Subpart H, why isn't it be resolved through the rule making process instead of attempting to resolve it through the IPCB appeal process? Or, is it? It appears that if Subpart H were revised to include equipment rates, the issue would not only be resolved, but would also provide consistency for both the O/O and IEPA. However, I'm not aware of any such action. Is IEPA in the process of addressing this issue with the Board as a rule making effort?

Also, it's my understanding IEPA has determined a rate for each piece of equipment/material listed in the email below it (IEPA) will approve without justification from the O/O or its Consultant. If IEPA already has a rate it's willing to approve as reasonable, why doesn't it (IEPA) just modify the rate like it modified the Technician I rate in its May 20, 2016 decision letter? Or somehow make these "new rates" known so we (O/Os & IEPA) can be more streamlined in preparing, reviewing and approving budget, actual costs and claims?

Kuhlman, Eric

From: Duane Doty <ddoty@chaseenv.com>
Sent: Friday, April 14, 2017 1:13 PM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569
Attachments: CEG Invoice #24010.pdf

Attached is a copy of the Chase Environmental Group, Inc. Invoice #24010 to IL Pit Stop, LLC for completion of the Stage 1 Site Investigation. The invoice was included in the reimbursement application IEPA reimbursed last July. You'll find the rates for PID, water level indicator, survey equipment and bailers are the same as those summarized in the Stage 2 Site Investigation Plan Budget you modified on May 20, 2016 and the same as those summarized in the Stage 2 Cost Summary and proposed in the Stage 3 Budget received by IEPA on December 30, 2016 (currently under IEPA review). Therefore, it is reasonable to conclude that IL Pit Stop, LLC will incur costs based on the same rates to complete the scope of work proposed in the Stage 3 Site Investigation Plan you (IEPA) are currently reviewing (FYI-My reference to a CAP in the email below was in error. I should have referenced the Stage 3 Site Investigation Plan).

Thanks for your cooperation & have a great weekend.

From: Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]
Sent: Friday, April 14, 2017 11:38 AM
To: Duane Doty <ddoty@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Even better, a copy of an invoice will do nicely. Thank you

From: Duane Doty [mailto:ddoty@chaseenv.com]
Sent: Friday, April 14, 2017 11:18 AM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

I'm not sure Chase provided IL Pitstop a quote to complete the scope of work it (IL Pitstop) proposed in the CAP. I don't think that doing so is a common practice. Will a copy of an invoice documenting IL Pitstop has recently incurred (and been reimbursed) the same rates suffice? That would certainly take less time than preparing a quote and a copy of a recent invoice from its Consultant documenting rates identical to those IL Pitstop proposed in its budget should support that it's reasonable to conclude that these same rates will again be incurred to complete the scope of work proposed in the CAP. Or, is there some question that IL Pitstop will actually incur these rates during completion of the proposed scope of work?

I apologize for the confusion. Providing an O/O with a quote to complete a scope of work proposed in a CAP seems like an unusual request to me.

Thanks

From: Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]
Sent: Friday, April 14, 2017 9:34 AM
To: Duane Doty <ddoty@chaseenv.com>
Cc: Marvin Johnson <mjohnson@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Duane, all I need is a quote for your PID and your survey equipment?

From: Duane Doty [mailto:ddoty@chaseenv.com]
Sent: Thursday, April 13, 2017 4:13 PM
To: 'Marvin Johnson'; Kuhlman, Eric
Subject: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin & Eric,

The rates relative to the equipment listed below were approved as a Stage 1 Actual Cost on February 9, 2016 except for the camera which was denied because no photos had been submitted to IEPA. The same rates were again approved on March 20, 2016 as part of a proposed Stage 2 Site Investigation Plan Budget. IEPA modified a Technician I hourly rate in its May 20, 2016 decision, but made no modification to any of the proposed equipment rates. The same rates were reimbursed as Stage 1 Site Investigation costs incurred on July 19, 2016. The rates included in the Stage 2 Site Investigation Actual Costs and Stage 3 Site Investigation Plan Budget submitted on 12/30/2016 are consistent with the budgets, actual costs and reimbursed costs deemed reasonable by IEPA on February 2, 2016, May 20, 2016 and July 19, 2016. IEPA's action to deem the rates included in the 12/30/2016 submittal as reasonable and eligible for reimbursement three times in less than a year prior should provide ample justification.

In addition, in Knapp Oil Co. v. IEPA, PCB 16-103 (September 22, 2016) the Board ruled the \$30/day camera rate is reasonable and does not violate the Act or Board regulations.

In Malkey v. IEPA, PCB 92-104 the Board ruled a PID daily rate of \$142/day is a reasonable cost for reimbursement from the Fund.

Hopefully, the above satisfies Eric's inquiry. If not, can you (Eric) offer some insight regarding what kind of "justification" you're looking for in regard to the 12/30/2016 submittal that wasn't offered in the previous budgets, actual cost summaries and claims IEPA approved/reimbursed in February, May and July of the same year?

I've noticed there have been multiple requests by IEPA lately to justify equipment rates it has considered reasonable for over a decade(s). It's my understanding this has choked the docket with appeals concerning equipment rates and that the lack of such rates in Subpart H is routinely identified by IEPA as justification for the rash of requests. If the issue is rooted in the lack of equipment rates in Subpart H, why isn't it be resolved through the rule making process instead of attempting to resolve it through the IPCB appeal process? Or, is it? It appears that if Subpart H were revised to include equipment rates, the issue would not only be resolved, but would also provide consistency for both the

O/O and IEPA. However, I'm not aware of any such action. Is IEPA in the process of addressing this issue with the Board as a rule making effort?

Also, it's my understanding IEPA has determined a rate for each piece of equipment/material listed in the email below it (IEPA) will approve without justification from the O/O or its Consultant. If IEPA already has a rate it's willing to approve as reasonable, why doesn't it (IEPA) just modify the rate like it modified the Technician I rate in its May 20, 2016 decision letter? Or somehow make these "new rates" known so we (O/Os & IEPA) can be more streamlined in preparing, reviewing and approving budget, actual costs and claims?

From: Marvin Johnson [<mailto:mjohnson@chaseenv.com>]
Sent: Thursday, April 13, 2017 12:48 PM
To: Duane Doty <ddoty@chaseenv.com>
Subject: Fwd: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Sent from my iPhone

Marvin Johnson
Chase Environmental Group
Cell: 618-322-8935

Begin forwarded message:

From: "Kuhlman, Eric" <Eric.Kuhlman@Illinois.gov>
Date: April 13, 2017 at 11:10:48 AM CDT
To: Marvin Johnson <mjohnson@chaseenv.com>
Subject: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin, I'm in the process of reviewing your latest submittal for the above-mentioned site, I determined that you'll need to justify the following rates with additional documentation:

- PID,
- Water level indicator,
- Survey equipment, and
- Bailers

Please provide this documentation as soon as possible so I can continue my review.

Thanks in advance,

Eric Kuhlman

Environmental Protection Engineer
Leaking UST Section

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.



Waste Management and Remediation Services

I N V O I C E

INCLUDE COPY OF INVOICE WITH REMITTANCE TO:

To:	IL Pit Stop, LLC PO Box 27 McLeansboro, IL 62859	Invoice #	24010
		Project #	T1303020
			McLeansboro Pit Stop 211 E. Randolph McLeansboro, IL 62859 Hamilton County
Data of Work	07/13/2013 to 08/31/2015		
Terms:	Net 30 Days	Date:	08/31/15
INCLUDE COPY OF INVOICE WITH REMITTANCE TO:			
P.O. Box AB Centralia, IL 62801			

CEG Contact Person for This Project is Marvin Johnson

For: Stage 1 Site Investigation Drilling and Reporting Activities	
1. Drilling Costs:	\$3,189.11
2. Analytical Costs:	\$2,133.85
3. Remediation & Disposal Costs:	\$1,548.95
4. Consulting Personnel Costs – as broken down on the Consulting Personnel Costs form.	\$10,576.74
5. Consultant's Material Costs – as broken down on the Consultant's Material Costs form.	\$1,015.41
6. Handling Charges:	\$31.70
Total Due: \$ 18,495.76	

Payment Policy - Invoices not remitted by prescribed due date will be assessed a 1.5% late fee per month until payment is received.

We Appreciate Your Business !

Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase		Time or Amount Used	Rate (\$)	*Unit	Total Cost
Remediation Category	Description/Justification				
Mileage		444.00	.58	Mile	\$257.52
Stage 1-Field	Stage 1 Site Investigation field activities				
PID		1.00	135.00	Day	\$135.00
Stage 1-Field	Soil hydrocarbon screening and sample collection				
Water Level Indicator		3.00	30.00	Day	\$90.00
Stage 1-Field	Well development, groundwater sample collection, pump test (1 day each)				
Survey Equipment		1.00	150.00	Day	\$150.00
Stage 1-Field	Well riser/groundwater survey				
Pump Test Equipment		1.00	150.00	Day	\$150.00
Stage 1-Field	Pump test at monitoring well MW-3				
Bailer		5.00	25.00	Each	\$125.00
Stage 1-Field	Well development and groundwater sample collection				
Zip Lock Bags		12.00	.25	Each	\$3.00
Stage 1-Field	Soil hydrocarbon screening				
Latex Gloves		82.00	.40	Each	\$32.80
Stage 1-Field	Soil hydrocarbon screening, sample collection, well development, pump test				

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification			
Ice	1.00	12.09	LS	\$12.09
Stage 1-Field	sample preservation and shipment			
Copies	2.00	30.00	Each	\$60.00
Stage 1-Pay	Prep. Stage 1 Site Investigation Reimbursement Application for O/O & IEPA (1 each)			

Total of Consultant Materials Costs	\$1,015.41
--------------------------------------------	-------------------

Kuhlman, Eric

From: Duane Doty <ddoty@chaseenv.com>
Sent: Friday, April 14, 2017 6:00 PM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Chase does not rent or subcontract the equipment your questioning.

From: Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]
Sent: Friday, April 14, 2017 1:33 PM
To: Duane Doty <ddoty@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

I misunderstood you, I thought it was an invoice from a subcontractor or a rental facility. The whole point of this exercise was to determine the fair-market rate for the use of your equipment, that's why I need a 3rd party estimate, invoice, or rental receipt.

From: Duane Doty [mailto:ddoty@chaseenv.com]
Sent: Friday, April 14, 2017 1:13 PM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Attached is a copy of the Chase Environmental Group, Inc. Invoice #24010 to IL Pit Stop, LLC for completion of the Stage 1 Site Investigation. The invoice was included in the reimbursement application IEPA reimbursed last July. You'll find the rates for PID, water level indicator, survey equipment and bailers are the same as those summarized in the Stage 2 Site Investigation Plan Budget you modified on May 20, 2016 and the same as those summarized in the Stage 2 Cost Summary and proposed in the Stage 3 Budget received by IEPA on December 30, 2016 (currently under IEPA review). Therefore, it is reasonable to conclude that IL Pit Stop, LLC will incur costs based on the same rates to complete the scope of work proposed in the Stage 3 Site Investigation Plan you (IEPA) are currently reviewing (FYI-My reference to a CAP in the email below was in error. I should have referenced the Stage 3 Site Investigation Plan).

Thanks for your cooperation & have a great weekend.

From: Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]
Sent: Friday, April 14, 2017 11:38 AM
To: Duane Doty <ddoty@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Even better, a copy of an invoice will do nicely. Thank you

From: Duane Doty [<mailto:ddoty@chaseenv.com>]
Sent: Friday, April 14, 2017 11:18 AM
To: Kuhlman, Eric
Cc: 'Marvin Johnson'
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

I'm not sure Chase provided IL Pitstop a quote to complete the scope of work it (IL Pitstop) proposed in the CAP. I don't think that doing so is a common practice. Will a copy of an invoice documenting IL Pitstop has recently incurred (and been reimbursed) the same rates suffice? That would certainly take less time than preparing a quote and a copy of a recent invoice from its Consultant documenting rates identical to those IL Pitstop proposed in its budget should support that it's reasonable to conclude that these same rates will again be incurred to complete the scope of work proposed in the CAP. Or, is there some question that IL Pitstop will actually incur these rates during completion of the proposed scope of work?

I apologize for the confusion. Providing an O/O with a quote to complete a scope of work proposed in a CAP seems like an unusual request to me.

Thanks

From: Kuhlman, Eric [<mailto:Eric.Kuhlman@Illinois.gov>]
Sent: Friday, April 14, 2017 9:34 AM
To: Duane Doty <ddoty@chaseenv.com>
Cc: Marvin Johnson <mjohnson@chaseenv.com>
Subject: RE: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Duane, all I need is a quote for your PID and your survey equipment?

From: Duane Doty [<mailto:ddoty@chaseenv.com>]
Sent: Thursday, April 13, 2017 4:13 PM
To: 'Marvin Johnson'; Kuhlman, Eric
Subject: [External] RE: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin & Eric,

The rates relative to the equipment listed below were approved as a Stage 1 Actual Cost on February 9, 2016 except for the camera which was denied because no photos had been submitted to IEPA. The same rates were again approved on March 20, 2016 as part of a proposed Stage 2 Site Investigation Plan Budget. IEPA modified a Technician I hourly rate in its May 20, 2016 decision, but made no modification to any of the proposed equipment rates. The same rates were reimbursed as Stage 1 Site Investigation costs incurred on July 19, 2016. The rates included in the Stage 2 Site Investigation Actual Costs and Stage 3 Site Investigation Plan Budget submitted on 12/30/2016 are consistent with the budgets, actual costs and reimbursed costs deemed reasonable by IEPA on February 2, 2016, May 20, 2016 and July 19, 2016. IEPA's action to deem the rates included in the 12/30/2016 submittal as reasonable and eligible for reimbursement three times in less than a year prior should provide ample justification.

In addition, in Knapp Oil Co. v. IEPA, PCB 16-103 (September 22, 2016) the Board ruled the \$30/day camera rate is reasonable and does not violate the Act or Board regulations.

In Malkey v. IEPA, PCB 92-104 the Board ruled a PID daily rate of \$142/day is a reasonable cost for reimbursement from the Fund.

Hopefully, the above satisfies Eric's inquiry. If not, can you (Eric) offer some insight regarding what kind of "justification" you're looking for in regard to the 12/30/2016 submittal that wasn't offered in the previous budgets, actual cost summaries and claims IEPA approved/reimbursed in February, May and July of the same year?

I've noticed there have been multiple requests by IEPA lately to justify equipment rates it has considered reasonable for over a decade(s). It's my understanding this has choked the docket with appeals concerning equipment rates and that the lack of such rates in Subpart H is routinely identified by IEPA as justification for the rash of requests. If the issue is rooted in the lack of equipment rates in Subpart H, why isn't it be resolved through the rule making process instead of attempting to resolve it through the IPCB appeal process? Or, is it? It appears that if Subpart H were revised to include equipment rates, the issue would not only be resolved, but would also provide consistency for both the O/O and IEPA. However, I'm not aware of any such action. Is IEPA in the process of addressing this issue with the Board as a rule making effort?

Also, it's my understanding IEPA has determined a rate for each piece of equipment/material listed in the email below it (IEPA) will approve without justification from the O/O or its Consultant. If IEPA already has a rate it's willing to approve as reasonable, why doesn't it (IEPA) just modify the rate like it modified the Technician I rate in its May 20, 2016 decision letter? Or somehow make these "new rates" known so we (O/Os & IEPA) can be more streamlined in preparing, reviewing and approving budget, actual costs and claims?

From: Marvin Johnson [<mailto:mjohnson@chaseenv.com>]
Sent: Thursday, April 13, 2017 12:48 PM
To: Duane Doty <ddoty@chaseenv.com>
Subject: Fwd: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Sent from my iPhone

Marvin Johnson
Chase Environmental Group
Cell: 618-322-8935

Begin forwarded message:

From: "Kuhlman, Eric" <Eric.Kuhlman@Illinois.gov>
Date: April 13, 2017 at 11:10:48 AM CDT

To: Marvin Johnson <mjohnson@chaseenv.com>

Subject: IL Pitstop in McLeansboro -- LUST incident #2013 0569

Marvin, I'm in the process of reviewing your latest submittal for the above-mentioned site, I determined that you'll need to justify the following rates with additional documentation:

- PID,
- Water level indicator,
- Survey equipment, and
- Bailers

Please provide this documentation as soon as possible so I can continue my review.

Thanks in advance,

Eric Kuhlman
Environmental Protection Engineer
Leaking UST Section

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

LEAKING UST TECHNICAL REVIEW NOTES

MAY 01 2017

Reviewed by: Eric Kuhlman

Date Reviewed: 4-20-2017

Re: LPC #0650205017 -- Hamilton County
McLeanboro / IL Pitstop LLC
211 East Randolph
Leaking UST Incident No. #20130569
Leaking UST Technical File

REVIEWER: RDH

Document(s) Reviewed:

S3 SIP / S3 BUD / S2 AC

General Site Information:

Site subject to: 734

IEMA date(s): 5-15-2013	Payment from the Fund? (Y/N/unknown): Y
UST system removed? (Y/N): Y	OSFM Fac. ID #: 7-006710
Encountered groundwater? (Y/N/U): Y	SWAP mapping and evaluation completion date: 1-28-2016
Free product? (Y/N/unknown): N	Site placement correct in SWAP? (Y/N): N
Current/past land use: gas station / convenience store	MTBE > 40 ppb in groundwater? (Y/N/unknown): Y
Size & product of USTs: (1) 2,000-gallon gasoline	
Is site located in EJ area? N	Is investigation of indoor inhalation exposure route required? U

BOL File Information:(optional) (Arranged chronologically):

On 7-24-2000, a release was reported to IEMA and assigned LUST Incident #20001390.

On 9-6-2000, two (2) underground storage tanks (USTs) were removed from this site, included one (1) 8,000-gallon gasoline tank and one (1) 4,000-gallon gasoline tank.

On 5-15-2013, a gasoline release was reported to IEMA and assigned LUST Incident #20130569.

On 6-10-2013, one (1) 2,000-gallon gasoline tank was removed from the subject property.

Between 6-10-2013 and 6-11-2013, approximately 527 tons (351 cubic yards) of contaminated backfill material was transported and disposed offsite. Six (6) soil samples were collected from the excavation walls (W-1 thru W-4) and floor (F-1, F-2), then submitted for BETX/MTBE analysis. Analytical results indicate COCs > Tier I SROs for SCGI in W-2 7'(B).

On 6-13-2013, four (4) soil borings (PI-1 thru PI-4) were advanced to depths of 8 feet bgs, due to auger refusal. Groundwater was encountered at 7-8 feet bgs. Four (4) soil samples were collected and analyzed for BETX/MTBE. Analytical results indicate COCs > Tier I SROs for

Page 2

CW Inh in PI-1B 7'(BX), PI-3A 3'(BX); **R Inh** in PI-1B 7'(B), PI-3A 3'(B); **SCGI** in PI-1B 7'(BEM), PI-3A 3'(BEM), PI-3B 7'(B), PI-4A 3'(B), PI-4B 7'(B).

Berg Circular 532 defined this area as type "F" soil, described as relatively impermeable bedrock within 20 feet of surface, mostly overlain by till or other fine-grained materials.

On 7-22-2015, eight (8) soil borings {**BH-1 thru BH-8**} were advanced to depths ranging from 7-10 feet bgs around the former pump islands and along the property boundaries, five (5) borings were completed as monitoring well {**MW-1 thru MW-5**}. Groundwater was encountered at 4.5-6.5 feet bgs. Twelve (12) soil samples were collected and submitted for **BETX/MTBE** analysis. Analytical results indicate COCs > Tier I SROs for **SCGI** in BH-7A 2.5'(B), BH-8A 2.5'(BM).

On 7-27-2015, groundwater samples were collected from MW-1 thru MW-5 and submitted for **BETX/MTBE** analysis. Analytical results indicated COCs > Tier I GROs for **WCGI** in MW-5(BM).

On 7-31-2016, a pump test was conducted on MW-3 to determine the site hydraulic conductivity using Bouwer & Rice Method. Results indicated a hydraulic conductivity of 9.44×10^{-5} cm/sec.

Site Investigation Plan/Budget Review Notes:

On 10-21-2016, five (5) soil borings were advanced until auger refusal to depths of 7-9 feet bgs. Groundwater was encountered at 5-7.5 feet bgs. Seven (7) soil samples were collected and submitted for **BETX/MTBE** analysis. Analytical results indicate COCs < Tier I SROs.

Chase proposed one (1) soil boring be advanced on the western adjacent property to define the extent of the soil contamination west of soil boring BH-8. Soil samples will be collected from each 5-foot interval and analyzed for **BETX/MTBE**.

Illinois EPA Decision:

The PM recommends the S3 SIP and S3 BUD be denied, while the S2 AC be modified...

Response Due:

7-2-2016

EK:PA

	Drilling	Analysis	Remediation	UST Removal	Demolition & Well Abandonment	Consulting Personnel	Materials	
S2 BUD	\$ 2,063.21	\$1,745.95	\$ 619.57	\$ -	\$ -	\$ 15,838.10	\$ 1,171.80	\$ 21,438.63
S2 AC	\$ 2,049.73	\$ 849.73	\$ 619.57	\$ -	\$ -	\$ 15,800.84	\$ 1,034.57	\$ 20,354.44
DEDUCTIONS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,751.55	\$ 90.00	\$ 3,841.55
SUBTOTALS	\$ 2,049.73	\$ 849.73	\$ 619.57	\$ -	\$ -	\$ 12,049.30	\$ 944.57	\$ 16,512.90

\$ 16,512.90

\$ 1,734.74	\$ 30.00
\$ 495.64	\$ 30.00
\$ 867.37	\$ 30.00
\$ 4.96	\$ 90.00
\$ 625.75	
\$ 2.72	
\$ 6.20	
\$ 0.37	
\$ 6.20	
\$ 3.45	
\$ 4.14	
\$ 3,751.55	

Re: LPC #0650205017 -- Hamilton County
 McLeansboro / IL Pitstop, LLC
 211 East Randolph Street
 Leaking UST Incident No. #20130569
 Leaking UST Technical File

LPC 0650205017 - Hamilton County
McLeansboro / Illinois Pitstop, LLC
211 East Randolph Street
Leaking UST Incident No. #20130569
Leaking UST Technical File

IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE

MAY 01 2017

Right-to-Know Evaluation

REVIEWER: RDH

The Bureau of Land site identified above has been reviewed. A check mark next to any one of the following criteria indicates further evaluation of the site is necessary.

CRITERIA:

- Groundwater contamination is measured or modeled to exceed, within the setback zone or regulated recharge area of a potable Community Water Supply (CWS) well, or setback zone of a private well or non-CWS well, either TACO Tier I groundwater remediation objectives under Part 742, Appendix B, Table E or Class I groundwater standards under Part 620; or Five or fewer properties More than five properties
- Measured off-site groundwater contamination from volatile chemicals from the site where a release occurred poses a threat of indoor inhalation exposure above appropriate Tier I remediation objectives for the current use of the site; or Five or fewer properties More than five properties
- Soil contamination exceeding applicable remediation objectives for the soil component of the groundwater ingestion route is modeled to exceed, within the setback zone or regulated recharge area of a potable Community Water Supply (CWS) well, or setback zone of a private well or non-CWS well, either TACO Tier I groundwater remediation objectives under Part 742, Appendix B, Table E or Class I groundwater standards under Part 620; or Five or fewer properties More than five properties
- Contaminated soil is measured off-site to exceed the appropriate Tier I remediation objectives based on the current use of the off-site property; or Five or fewer properties More than five properties
- Measured off-site soil gas contamination from the site where the release occurred poses a threat of exposure above the appropriate Tier I remediation objectives for the current use of the site; or Five or fewer properties More than five properties
- BOL refers a matter to the Division of Legal Counsel for enforcement under Section 43(a) of the Act; or
- BOL refers a site to the Division of Legal Counsel for issuance of a seal order under Section 34(a) of the Act.

Comments:

- At least one of the above criteria is met and the above-identified site must be further evaluated.
- Insufficient information submitted to make an adequate RTK decision.
- None of the above criteria are met and the above-identified site does not warrant any further evaluation.

Project Manager Signature: *Eric Kullman*

Date: 4-20-2017



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397
BRUCE RAUNER, GOVERNOR ALEC MESSINA, DIRECTOR

217/524-3300

CERTIFIED MAIL

7014 2120 0002 3286 7449

APR 28 2017

IL Pitstop, LLC
Attn: Roger Swartz
P.O. Box 27
McLeansboro, Illinois 62859

Re: LPC #0650205017 – Hamilton County
McLeansboro / IL Pitstop, LLC
211 East Randolph Street
Leaking UST Incident No. #20130569
Leaking UST Technical File

Dear Mr. Swartz:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Stage 3 Site Investigation Plan (plan) submitted for the above-referenced incident. This plan, dated December 28, 2016, was received by the Illinois EPA on December 30, 2016. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The plan and the associated budget are rejected for the reason(s) listed in Attachment A and B, respectively (Sections 57.7(a)(1) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505 (b), 734.510(a) and 734.510(b)).

The actual costs for Stage 2 are modified pursuant to Sections 57.7(a)(2) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(b). Based on the modifications listed in Section 2 of Attachment C, the amounts listed in Section I of Attachment C are approved. Be aware that the amount of payment from the Fund may be limited by Sections 57.8(d), 57.8(e), and 57.8(g) of the Act, as well as 35 Ill. Adm. Code 734.630 and 734.655.

Pursuant to Sections 57.7(a) and 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.310, a revised plan and/or budget must be submitted within 60 days of the date of this letter to:

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

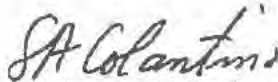
Page 2

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further assistance, please contact the Illinois EPA project manager, Eric Kuhlman, at 217/785-5715.

Sincerely,


Stephen A. Colantino
Acting Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

SAC:EK:PA

Attachment: A, B, C, Appeal Rights

c: Marvin Johnson, Chase Environmental Group, Inc. (e-copy), mjohnson@chaseenv.com
BOL File

Attachment A

Re: LPC #0650205017 -- Hamilton County
McLeansboro / IL Pitstop, LLC
211 East Randolph Street
Leaking UST Incident No. #20130569
Leaking UST Technical File

Citations in this attachment are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

- I. The Stage 2 site investigation must be designed to complete the identification of the extent of soil and groundwater contamination at the site that, as a result of the release, exceeds the most stringent Tier I remediation objectives of 35 Ill. Adm. Code 742 for the applicable indicator contaminants. The investigation of any off-site contamination must be conducted as part of the Stage 3 site investigation. (Section 57.1(a) of the Act and 35 Ill. Adm. Code 734.320)

Before any Stage 3 site investigation should be conducted off-site to identify the extent of the soil contamination, additional soil sampling should be collected near the property boundary line in the vicinity of soil boring BH-8 since the analytical results for BH-8 demonstrated that the reporting limits were greater than the Tier I remediation objectives for the applicable indicator contaminants, benzene and MTBE. Therefore, this location will need to be resampled to determine if the onsite contamination has migrated offsite.

Please note that any costs associated with the collection of this additional soil sample are not eligible for payment from the Fund since the original soil sample should have been analyzed using the appropriate reporting limits.

EK:PV

Attachment B

Re: LPC #0650205017 -- Hamilton County
McLeansboro / IL Pitstop, LLC
211 East Randolph Street
Leaking UST Incident No. #20130569
Leaking UST Technical File

Citations in this attachment are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

1. Pursuant to Sections 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b), the associated budget is rejected for the following reason:

The Illinois EPA has not approved the plan with which the budget is associated. Until such time as the plan is approved, a determination regarding the associated budget— i.e., a determination as to whether costs associated with materials, activities, and services are reasonable; whether costs are consistent with the associated technical plan; whether costs will be incurred in the performance of corrective action activities; whether costs will not be used for corrective action activities in excess of those necessary to meet the minimum requirements of the Act and regulations, and whether costs exceed the maximum payment amounts set forth in Subpart H of 35 Ill. Adm. Code 734—cannot be made (Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b)).

EK:PA

Attachment C

Re: LPC #0650205017 -- Hamilton County
McLeansboro / IL Pitstop, LLC
211 East Randolph Street
Leaking UST Incident No. #20130569
Leaking UST Technical File

SECTION 1

STAGE 2 Actual Costs

As a result of the Illinois EPA's modifications in Section 2 of this Attachment C, the following amounts are approved:

\$2,019.51	Drilling and Monitoring Well Costs
\$849.73	Analytical Costs
\$619.57	Remediation and Disposal Costs
\$0.00	UST Removal and Abandonment Costs
\$0.00	Paving, Demolition, and Well Abandonment Costs
\$12,049.30	Consulting Personnel Costs
\$944.57	Consultant's Materials Costs

Handling charges will be determined at the time a billing package is reviewed by the Illinois EPA. The amount of allowable handling charges will be determined in accordance with Section 57.1(a) of the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code) 734.635.

SECTION 2

STAGE 2 Modifications

Note. Any costs associated with preparing, submitting, reviewing, and certifying the Stage 1 reimbursement application should not have been included in the Stage 2 Actual Costs.

1. \$1,734.74 for costs to consult O/O are inconsistent with the associated technical plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, and services are consistent with the associated technical plan. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

Costs associated to consult the O/O regarding prosed scope of work, project status and tentative schedule were not part of the associated plan. In addition, these costs are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

Besides, any costs related to activities, materials, or services not necessary to stop, minimize, eliminate, or clean up a release of petroleum or its effects in accordance with the minimum requirements of the Act and regulations. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(y). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not site investigation or corrective action costs.

Furthermore, the site investigation or corrective action costs to consult O/O that are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

2. \$495.64 for costs for onsite meeting with O/O that are inconsistent with the associated plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, and services are consistent with the associated budget. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

Costs associated with onsite meeting with the O/O to review/evaluate IEPA requested Stage 2 boring & well locations were not part of the associated plan. In addition, these costs are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

Besides, any costs related to activities, materials, or services not necessary to stop, minimize, eliminate, or clean up a release of petroleum or its effects in accordance with the minimum requirements of the Act and regulations. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(y). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not site investigation or corrective action costs.

Furthermore, the site investigation or corrective action costs to consult O/O that are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

3. \$867.37 for costs for correspondence with O/O and IEPA that are inconsistent with the associated plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, and services are consistent with the associated budget. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

Costs associated with correspondence with O/O and IEPA regarding buries utilities south of store building were not part of the associated plan. In addition, these costs are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

Besides, any costs related to activities, materials, or services not necessary to stop, minimize, eliminate, or clean up a release of petroleum or its effects in accordance with

the minimum requirements of the Act and regulations. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(y). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not site investigation or corrective action costs.

Furthermore, the site investigation or corrective action costs to consult O/O that are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

4. The Senior Project Manager rate has been reduced to \$123.91 per hour. The costs exceed the maximum payment amounts set forth in Subpart H, Appendix D, and/or Appendix E of 35 Ill. Adm. Code 734. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(zz). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not reasonable.

Based upon the above deduction, a total of \$ 4.96 was deducted from Consulting Personnel Costs.

5. \$250.30 for costs to consult O/O that are inconsistent with the associated plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, and services are consistent with the associated budget. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

Costs associated to consult the O/O regarding revised scope of work and field schedule were not part of the associated plan. In addition, these costs are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

Besides, any costs related to activities, materials, or services not necessary to stop, minimize, eliminate, or clean up a release of petroleum or its effects in accordance with the minimum requirements of the Act and regulations. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(y). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not site investigation or corrective action costs.

Furthermore, the site investigation or corrective action costs to consult O/O that are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

6. \$625.75 for costs for second onsite meeting with O/O that are inconsistent with the associated plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, and services are consistent with the associated budget. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

Costs associated with a second onsite meeting with the O/O to review/evaluate IEPA suggested alternate drilling locations were not part of the associated plan. In addition, these costs are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

Besides, any costs related to activities, materials, or services not necessary to stop, minimize, eliminate, or clean up a release of petroleum or its effects in accordance with the minimum requirements of the Act and regulations. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(y). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not site investigation or corrective action costs.

Furthermore, the site investigation or corrective action costs to consult O/O that are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

7. The Geologist III rate has been reduced to \$109.04 per hour. The costs exceed the maximum payment amounts set forth in Subpart H, Appendix D, and/or Appendix E of 35 Ill. Adm. Code 734. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(zz). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not reasonable.

Based upon the above deduction, a total of \$ 2.72 was deducted from Consulting Personnel Costs.

8. The Senior Project Manager rate has been reduced to \$123.91 per hour. The costs exceed the maximum payment amounts set forth in Subpart H, Appendix D, and/or Appendix E of 35 Ill. Adm. Code 734. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(zz). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not reasonable.

Based upon the above deduction, a total of \$ 6.20 was deducted from Consulting Personnel Costs.

9. The Senior Draftsperson/CAD rate has been reduced to \$74.34 per hour. The costs exceed the maximum payment amounts set forth in Subpart H, Appendix D, and/or Appendix E of 35 Ill. Adm. Code 734. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(zz). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not reasonable.

Based upon the above deduction, a total of \$ 0.37 was deducted from Consulting Personnel Costs.

10. The Senior Project Manager rate has been reduced to \$123.91 per hour. The costs exceed the maximum payment amounts set forth in Subpart H, Appendix D, and/or Appendix E of 35 Ill. Adm. Code 734. Such costs are ineligible for payment from the Fund pursuant

to 35 Ill. Adm. Code 734.630(zz). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not reasonable.

Based upon the above deduction, a total of \$ 6.20 was deducted from Consulting Personnel Costs.

11. The Senior Account Technician rate has been reduced to \$68.14 per hour. The costs exceed the maximum payment amounts set forth in Subpart H, Appendix D, and/or Appendix E of 35 Ill. Adm. Code 734. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(zz). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not reasonable.

Based upon the above deduction, a total of \$ 3.45 was deducted from Consulting Personnel Costs.

12. The Senior Account Technician rate has been reduced to \$68.14 per hour. The costs exceed the maximum payment amounts set forth in Subpart H, Appendix D, and/or Appendix E of 35 Ill. Adm. Code 734. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(zz). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not reasonable.

Based upon the above deduction, a total of \$ 4.14 was deducted from Consulting Personnel Costs.

13. \$90.00 for costs for *digital camera* that are inconsistent with the associated plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, and services are consistent with the associated technical plan. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

Costs associated with digital camera were not part of the associated plan. In addition, these costs are not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

Furthermore, the costs for the *digital camera* lack supporting documentation. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(cc). Since there is no supporting documentation of costs, the Illinois EPA cannot determine that costs will not be used for activities in excess of those necessary to meet the minimum requirements of Title XVI of the Act. Therefore, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they may be used for site investigation or corrective action activities in excess of those required to meet the minimum requirements of Title XVI of the Act.

Pursuant to 35 Ill. Adm. Code 734.850(b) costs associated with activities that do not have a maximum payment amount set forth pursuant to 35 Ill. Adm. Code 734 Subpart H must

be determined on a site specific basis and the owner/operator must demonstrate to the Agency the amounts sought for reimbursement are reasonable.

In addition, without supporting documentation the rate requested the *digital camera* is not reasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

EK:PA

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

John Therriault, Assistant Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
312/814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
217/782-5544

CERTIFICATE OF SERVICE

I, the undersigned, on affirmation state the following:

That I have served the attached **CERTIFICATE OF RECORD ON APPEAL and the accompanying documents comprising the entire record of the Respondent's decision** by e-mail upon Patrick D. Shaw at the e-mail address of pdshaw1law@gmail.com and upon Hearing Officer Carol Webb at the e-mail address of Carol.Webb@Illinois.gov.

That my e-mail address is Scott.Sievers@Illinois.gov.

That the number of pages in the e-mail transmission is one-hundred and twenty (120).

That the e-mail transmission took place before 2:00 p.m. on the date of July 26, 2017.

/s/Scott B. Sievers

July 26, 2017