
TRICORE ENVIRONMENTAL, LLC

September 16, 2013

**VIA USPS PRIORITY MAIL
WITH DELIVERY CONFIRMATION**

Mr. Eric Kuhlman
Illinois Environmental Protection Agency
Bureau of Land #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

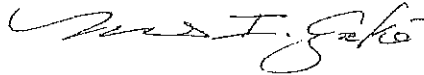
RE: LPC No. 0971855024 – Lake County
Wauconda/Shivam Energy, Inc.
399 West Liberty Street
IEMA Incident No. 903199
Leaking UST Technical File

Dear Mr. Kuhlman:

TriCore Environmental, LLC, on behalf of Shivam Energy, Inc., is providing an original and one copy of the Illinois Environmental Protection Agency Leaking Underground Storage Tank Program Free Product Removal Report and Budget for the Illinois Emergency Management Agency incident number referenced above.

If you should have any questions concerning this submittal or require additional information, please contact either of the undersigned at (630) 520-9973, or by email at marcos.czako@tricoreweb.com or shawn.rodeck@tricoreweb.com.

Sincerely,



Marcos I. Czako, P.G.
Senior Project Manager



Shawn Rodeck, P.E.
President

cc: Mr. Rajani Patel, Shivam Energy, Inc., 399 West Liberty Street, Wauconda, Illinois 60084
Mr. Mr. Indravadan Patel, Jay Shri Ganesha Inc., 399 West Liberty Street, Wauconda, IL 60084
Ms. Gwen Carey, 363 Bangs Street, Wauconda, Illinois 60084
Ms. Patricia Oaks, CIAO, Wauconda Township, 505 West Bonner Road, Wauconda, Illinois 60084

Attachment

TRICORE ENVIRONMENTAL, LLC

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
FREE PRODUCT REMOVAL REPORT**

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084
IEMA Incident No. 903199
LPC No. 0971855024

Prepared for:

Mr. Rajani Patel
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084

Prepared by:

TriCore Environmental, LLC
1800 West Hawthorne Lane, Suite P
West Chicago, Illinois 60185
Phone: (630) 520-9973
Fax: (630) 520-9976

September 16, 2013

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
A. Site Identification.....	1
B. Information Provided.....	1
C. Free Product Removal.....	1
D. Supporting Documentation.....	5
E. Submission of a Free Product Removal Plan.....	6
F. Signatures.....	7

FIGURES

FIGURE 1.....	Site Map
FIGURE 2.....	Free Product Thickness

TABLES

TABLE 1.....	Groundwater Elevations and Analytical Results
TABLE 2.....	Free Product Recovery by Bailing
TABLE 3.....	Free Product Recovery by System
TABLE 4.....	Free Product Recovery by HVE

APPENDICIES

APPENDIX A.....	Waste Manifests
APPENDIX B.....	Air Stripper Specifications
APPENDIX C.....	Free Product Removal Budget
APPENDIX D.....	Owner/Operator and Licensed Professional Engineer/Geologist Budget
.....	Certification Form
APPENDIX E.....	OSFM Eligibility and Deductible Determination Letter

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/A, 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.

Illinois Environmental Protection Agency Leaking Underground Storage Tank Program Free Product Removal

A. Site Identification

IEMA Incident # (6- or 8-digit): 903199 IEPA LPC # (10-digit): 0971855024
Site Name: Shivam Energy, Inc.
Site Address (Not a P.O. Box): 399 West Liberty Street
City: Wauconda County: Lake ZIP Code: 60084

Leaking UST Technical File

B. Information Provided

1. Free Product Removal Plan
2. Free Product Removal Budget
3. Free Product Removal Report

C. Free Product Removal

Provide the following:

1. The names(s) of the person(s) responsible for implementing the free product removal measures;

The names of the people responsible for implementing the free product removal measures are provided below in Section F.

2. The estimated quantity, type, and thickness of free product observed or measured in boreholes, wells, excavation, etc.;

Details regarding the free product removal activities completed from December 29, 2008 through August 15, 2011 were provided in the Free Product Removal Plan dated September 21, 2011.

Gauging and Free Product Recovery

From August 22, 2011 through July 3, 2013, TriCore Environmental, LLC (TriCore) periodically gauged MW-2, MW-4, MW-6, MW-8S, MW-8D, MW-9S, MW-9D, MW-10S, MW-10D, MW-11S, MW-11D, MW-12S, MW-12D, MW-13, MW-25 through MW-32, RW-1 through RW-10, RW-1 ('04), and S-1 through S-3. The locations of the wells are illustrated on Figure 1. The wells were gauged with an electronic oil/water interface meter equipped with an audible signal. The meter was washed with a distilled water and Simple Green[®] mixture between each use. Free product ranging in thicknesses between 0.01 to 1.30 feet has been present in MW-26, MW-27, MW-29 through MW-31, RW-3 through RW-6, RW-8, and S-1 through S-3 during these dates. On July 3, 2013, free product greater than 1/8 of an inch in thickness was not present in any of the wells that were gauged. Gauging results are summarized in Table 1. The wells exhibiting detectable free product on July 3, 2013, including free product thicknesses, are illustrated

on Figure 2.

Since the day that free product has been detected in the monitoring, recovery, and sump wells at the site, TriCore has removed a total of 26,267.63 gallons of groundwater and free product, of which, approximately 681.52 gallons was free product. The groundwater and free product were removed using dedicated, disposable high density polyethylene (HDPE) bailers, passive skimmers, the free product recovery system, and pump trucks during high vacuum extraction (HVE) events. Further details regarding the free product recovery system are provided below in Section C. 3. The recovered free product and groundwater has been contained on site in 55-gallon drums that have been labeled with nonhazardous waste labels. The volumes of free product and groundwater removed have been summarized in three tables: 1) Table 2 summarizes the volumes removed utilizing bailers and passive skimmers; 2) Table 3 summarizes the volumes removed by the free product recovery system; and 3) Table 4 summarizes the volumes removed during the HVE events.

Once the on-site 55-gallon drums were full, TriCore contracted North Branch Environmental (North Branch) of Roselle, Illinois to pump out or pick up the drums and transport the free product and groundwater to Ortek in McCook, Illinois for treatment and disposal. Between August 22 and December 1, 2011, North Branch was on site a total of eight times to pump out the drums. On April 5, 2012, TriCore transported four empty 55-gallon drums to the site to be connected to the free product recovery system. On August 2, 2012, North Branch picked up four drums, and on October 18, 2012, North Branch picked up three drums. On the dates that North Branch picked up the drums, a replacement drum was dropped off for each drum that was picked up. The dates that North Branch was contracted to pump out or pick up the drums are provided in Table 3. Copies of the waste manifests are provided in Appendix A. Please note that the waste manifest for the drum pick up on October 18, 2012 also includes 55 gallons for purged groundwater that was generated during previous groundwater sampling activities.

3. The type of free product recovery system used and technical justification for the method of recovery chosen;

TriCore has been utilizing the free product recovery system that was installed on June 17, 2009 to continually recover free product from the site. The free product recovery system provides a means of recovering free product without recovering a large volume of groundwater from the wells. The free product recovery system operated continuously from August 22, 2011 through November 30, 2011 and from March 14, 2012 through November 30, 2012. The system was shut down on November 30, 2011 and November 30, 2012 due to the freezing temperatures which would affect the operation of the system.

The free product recovery system is currently shut down and will not be restarted at this time. Instead of utilizing the free product recovery system, TriCore will utilize the dual phase extraction (DPE) remediation system that was proposed in the Amended Corrective Action Plan (CAP) dated June 16, 2009 to recovery free product from the wells. The DPE remediation system is scheduled to begin operation during September 2013.

During the time periods while the free product recovery system was operating, operation and maintenance (O&M) events were performed on a weekly to biweekly basis. During

each O&M event, select wells were gauged with an electronic oil/water interface meter equipped with an audible signal. The meter was washed with a distilled water and Simple Green[®] mixture between each use. The passive skimmers were placed in the wells containing the greatest thickness of free product on that date. The skimmers were then left in that well until the following O&M event, when the free product thicknesses were reevaluated.

During the time periods while the free product recovery system was shut down, and until the DPE remediation system is operational, free product gauging and recovery has and will be performed on a weekly to biweekly basis utilizing the following methods. The passive skimmers utilized during the operation of the free product recovery system have remained in the wells to recover free product. The passive skimmers were and will be manually emptied during each gauging event. In the wells where free product was or is present at a thickness of greater than 0.01 feet but a passive skimmer was or is not installed, TriCore has and will continue to utilize dedicated, disposable HDPE bailers to recover free product from the wells. The bailers and skimmers provide a means of recovering free product without recovering a large volume of groundwater from the wells.

During January 2011 and December 2012, free product in MW-26, MW-27, MW-29 through MW-31, and RW-3 through RW-6 was at some of its greatest thicknesses. Therefore, during these time periods, pump trucks were utilized to perform high vacuum extraction (HVE) events on these wells. The HVE events provided a means of recovering the free product from the wells and created a constant cone of depression in the wells to allow the free product from the surrounding soils to enter the wells and also be recovered.

4. Whether any discharge will take place on- or off-site during the recovery operation and where this discharge (point) will be located;

No discharge took place on or off site during the free product recovery activities conducted between August 22, 2011 and July 3, 2013.

During the operation of the DPE remediation system, vapors and liquids consisting of free product and groundwater will be extracted from RW-1 through RW-10 and MW-29 through the use of a drop tube inserted into each well. The extracted liquids and vapors will be transported from the wells to the building through underground piping by a rotary claw vacuum pump system, which will create a vacuum in the extraction wells. The piping was installed within a trench which was completed in October 2012. The extracted liquids and vapors will then enter a knock-out tank which will be equipped with level sensors. The air will be drawn out of the knock-out tank by the vacuum pump and discharged into the atmosphere.

The liquids collected in the knock-out tank will be transferred to an oil/water separator (OWS) by a transfer pump. The free product will be gravity drained from the OWS to a 55-gallon product recovery drum equipped with float switches. Water will travel by gravity from the OWS to a 60-gallon holding tank. The tank will be equipped with level sensors that will operate a transfer pump that will transfer water from the holding tank to an air stripper where it will be treated. The treated water will then be discharged from the air stripper into an on-site infiltration gallery. The location of the infiltration gallery is

illustrated on Figures 1 and 2. Further details regarding the DPE remediation system and the infiltration gallery were provided in the Amended CAP dated June 16, 2009 and the Amended CAP dated April 23, 2010.

While the DPE remediation system is in operation, any well that is not connected to the system and has free product present at a thickness of greater than 0.01 feet will be manually bailed using a dedicated, disposable HDPE bailer. A passive skimmer may also be installed within the well to recovery free product between O&M visits. The free product that is recovered using bailers and skimmers will be contained on-site in the 55-gallon product recovery drum of the DPE remediation system. If free product continues to be present in any well that is not connected to the DPE remediation system, TriCore may install a recovery well at that location. If additional recovery wells are required, they will be proposed in an Amended CAP.

5. The type of treatment applied to, and the effluent quality expected from, any discharge;

As mentioned above in Section C. 4., no discharge took place on or off site during the free product recovery activities conducted between August 22, 2011 and July 3, 2013.

As mentioned above in Section C. 4., the groundwater that is extracted from RW-1 through RW-10 and MW-29 will be treated by an air stripper prior to being discharged into the on-site infiltration gallery. Based on the design specifications of the air stripper, the benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) concentrations in the groundwater being discharged from the air stripper will be below the Tier 1 groundwater remediation objectives (GROs) for Class I groundwater listed in 35 Illinois Administrative Code (IAC) Part 742, Appendix B, Table E and below the Groundwater Quality Standards for Class I Potable Resource Groundwater listed in 35 IAC Part 620.410. Further details regarding the treatment specifications of the air stripper are provided in Appendix B.

Monthly compliance samples will be collected from the treated groundwater and analyzed for BTEX and MTBE to ensure that the water discharging into the on-site infiltration gallery has been properly treated and the groundwater concentrations are below the Tier 1 GROs for Class I groundwater listed in 35 IAC Part 742, Appendix B, Table E and below the Groundwater Quality Standards for Class I Potable Resource Groundwater listed in 35 IAC Part 620.410. Analytical laboratory results from the monthly compliance samples will be submitted to the Illinois Environmental Protection Agency (IEPA) in the semi-annual Remediation Status Reports.

6. The disposition of the recovered free product;

The free product and groundwater that were recovered during the free product recovery activities conducted between August 22, 2011 and July 3, 2013 were contained on site in 55-gallon drums. Once the on-site 55-gallon drums were full, TriCore contracted North Branch to pump out or pick up the drums and transport the free product and groundwater to Ortek for treatment and disposal.

Between August 22 and December 1, 2011, North Branch was on site a total of eight times to pump out the drums. On August 2, 2012, North Branch picked up four drums,

and on October 18, 2012, North Branch picked up three drums. The dates that North Branch was contracted to pump out or pick up the drums are provided in Table 3. Copies of the waste manifests are provided in Appendix A.

The free product that is recovered during the operation of the DPE system will be contained on-site in the 55-gallon product recovery drum of the DPE remediation system. Once the product recovery drum is full, TriCore will contract North Branch to pick up the drum and transport the free product to Ortek for treatment and disposal. North Branch will drop off a replacement drum for the drum that is picked up.

7. The steps that have been taken or that are being taken to obtain necessary permits for any discharge;

On April 23, 2010, TriCore submitted a Water Pollution Control Permit application to the IEPA Division of Water for the construction and operation of the DPE remediation system. On July 19, 2012, the IEPA Division of Water issued Water Pollution Control Permit number 2012-EE-0562 for the operation of the DPE remediation system.

On April 23, 2010, TriCore submitted a Class V Injection Well Inventory Form to the IEPA Bureau of Land for the installation of the infiltration gallery.

8. The steps taken to identify the source and extent of free product; and

Identification of the Source

The source of the free product is determined to be Illinois Emergency Management Agency incident number 903199 which was reported on October 30, 1990 as a result of the removal of two 6,000-gallon underground storage tanks from the site.

Identification of the Extent

Since the DPE remediation system is scheduled to begin operation in September 2013, the future free product activities will be conducted under corrective action.

Proposed Gauging and Free Product Recovery

During the operation of the DPE remediation system, any free product present in RW-1 through RW-10 and MW-29 will be recovered by the remediation system. During the O&M visits, the monitoring wells where free product was historically present will be gauged. Any monitoring well that is not connected to the system and has free product present at a thickness of greater than 0.01 feet will be manually bailed using a dedicated, disposable HDPE bailer. A passive skimmer may also be installed within the well to recovery free product between O&M visits. Details regarding any free product recovered by the remediation system, with a bailer, or a passive skimmer will be submitted to the IEPA in the semi-annual Remediation Status Reports.

9. A schedule of future activities necessary to complete the recovery of free product still exceeding one-eighth of an inch in depth.

The following is a proposed schedule for the implementation of this plan once it has been approved by the IEPA.

Activity	Projected Completion Time
DPE System Operation, gauging and free product recovery	August through December 2013
Remediation Status Report	January 2014

D. Supporting Documentation

Provide the following:

1. Site map meeting requirements of 35 Ill. Adm. Code 732.110(a) or 734.440 and showing:

- a. Locations where free product was encountered including its estimated thickness;
- b. Location of recovery points;
- c. Location of the treatment unit; and
- d. Location of discharge points;

All of the items listed above are illustrated on Figure 2.

2. A table showing the dates that free product recovery was conducted and the amount of free product recovered on each date; and

A table showing the dates that free product recovery was conducted and the amount of free product recovered on each date is summarized in Tables 2 through 4.

3. Copies of waste manifests.

Copies of the waste manifests for the free product and groundwater that were recovered from the site and transported to Ortek for disposal are provided in Appendix A.

E. Submission of a Free Product Removal Plan

In accordance with 35 Ill. Adm. Code 732.203 or 734.215, if free product removal activities will be conducted more than 45 days after confirmation of the presence of free product, the owner or operator must submit to the Illinois EPA for review a free product removal plan and budget, if applicable. The plan must include the information requested under Sections C and D of this form, as applicable.

As mentioned above in Section C. 8., since the DPE remediation system is scheduled to begin operation in September 2013, the future free product activities will be conducted under corrective action. If any additional free product removal activities are required, other than what is proposed above in Section C. 8., they will be proposed in an Amended CAP.

F. 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.

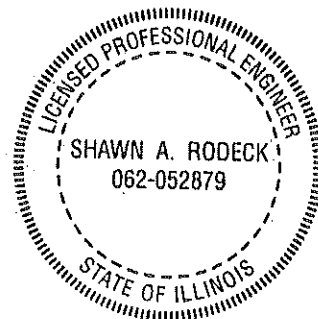
UST Owner or Operator	Consultant
Name: <u>Shivam Energy, Inc.</u>	Company: <u>TriCore Environmental, LLC</u>
Contact: <u>Rajani Patel</u>	Contact: <u>Marcos J. Czako, P.G.</u>
Address: <u>399 West Liberty Street</u>	Address: <u>1800 W. Hawthorne Ln., Suite P</u>
City: <u>Wauconda</u>	City: <u>West Chicago</u>
State: <u>Illinois</u>	State: <u>Illinois</u>
ZIP Code: <u>60084</u>	ZIP Code: <u>60185</u>
Phone: <u>(847) 526-3455</u>	Phone: <u>(630) 520-9973</u>
Signature: <u>Rajani Patel</u>	Signature: <u>Shawn Rodeck</u>
Date: <u>SEPT 12, 2013</u>	Date: <u>09/16/2013</u>

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 this plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 731, 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].

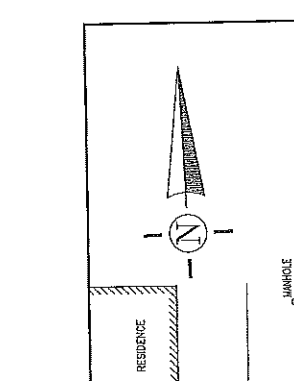
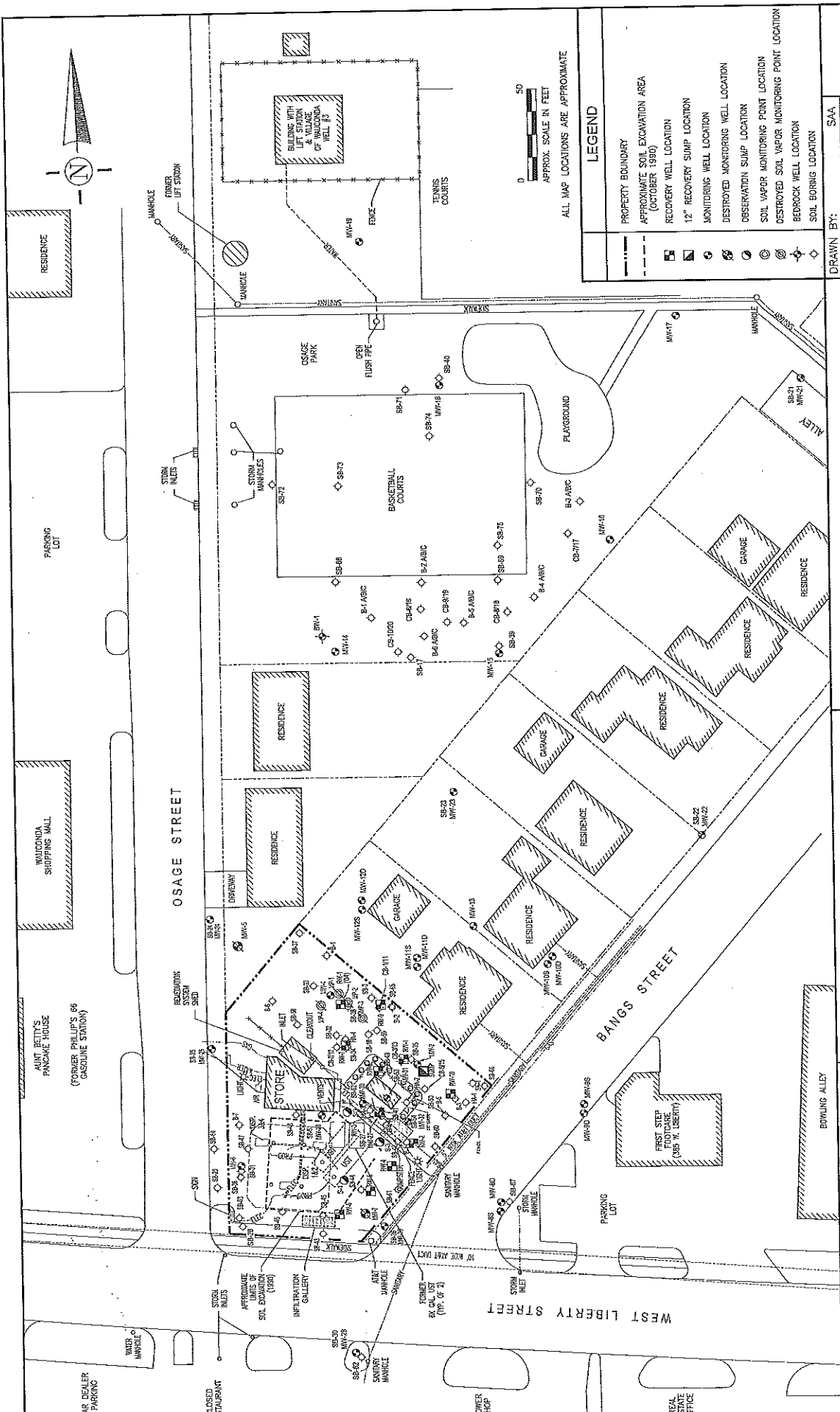
Licensed Professional Engineer or Geologist

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

Name: Shawn Rodeck
 Company: TriCore Environmental, LLC
 Address: 1800 W. Hawthorne Ln., Suite P
 City: West Chicago
 State: Illinois
 ZIP Code: 60185
 Phone: (630) 520-9973
 Ill. Registration No.: 062-052879
 License Expiration Date: 11/30/2013
 Signature: Shawn Rodeck
 Date: 09/16/2013



FIGURES



ALL MAP LOCATIONS ARE APPROXIMATE

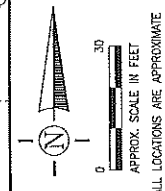
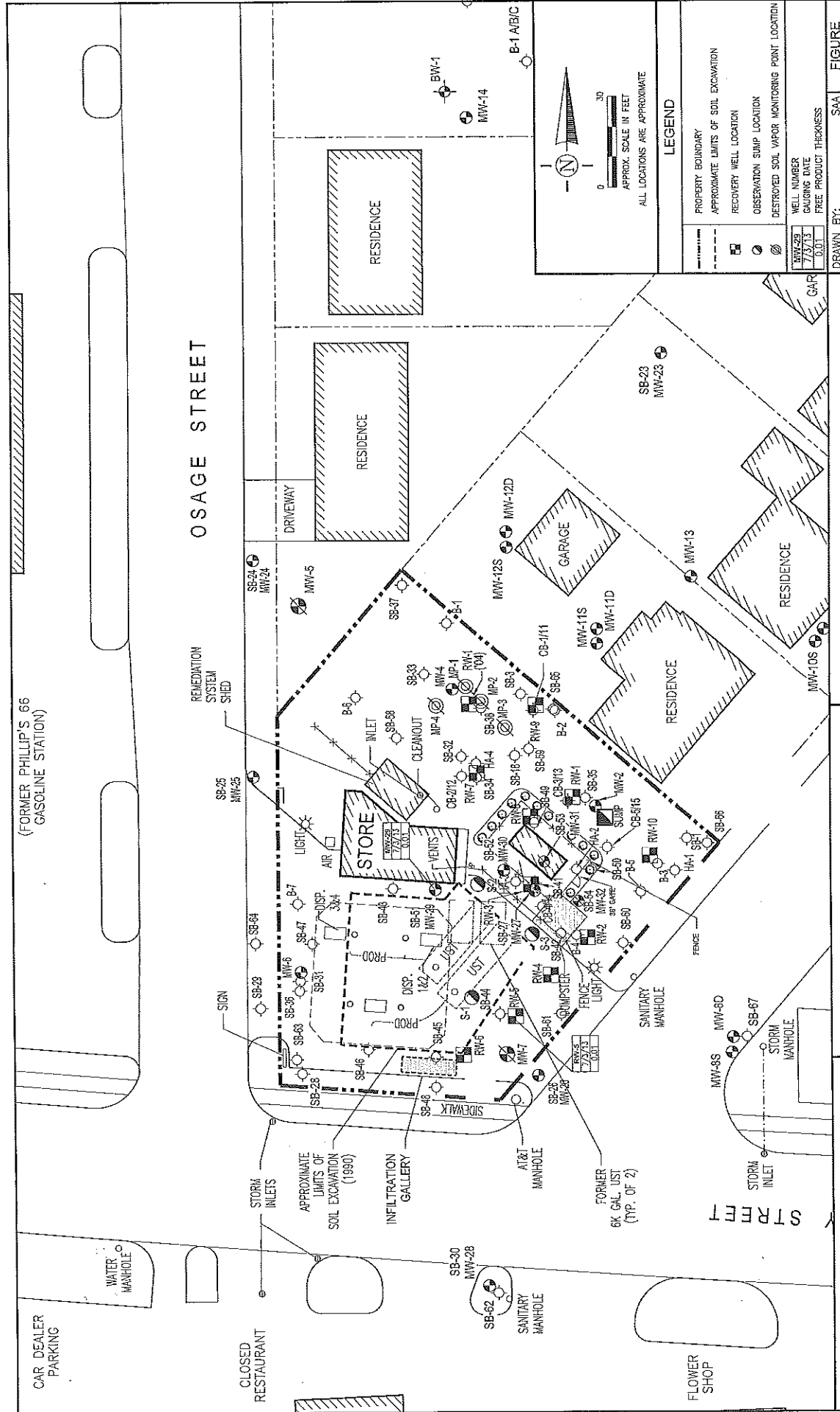
- LEGEND**
- PROPERTY BOUNDARY
 - APPROXIMATE SOIL EXCAVATION AREA (OCTOBER 1990)
 - RECOVERY WELL LOCATION
 - ⊙ 12" RECOVERY SUMP LOCATION
 - MONITORING WELL LOCATION
 - ⊗ DESTROYED MONITORING WELL LOCATION
 - ⊕ OBSERVATION SUMP LOCATION
 - ⊖ SOIL VAPOR MONITORING POINT LOCATION
 - ⊘ DESTROYED SOIL VAPOR MONITORING POINT LOCATION
 - ⊙ BEDROCK WELL LOCATION
 - ⊙ SOIL BORING LOCATION

DRAWN BY: SAA.
 APPROVED BY: MIC
 SCALE: 1" = 50'
 DATE: 8/22/2013
 DRAWING FILE: MD13-104

Tricore Environmental, LLC
 1800 West Hawthorne Lane, Suite P
 West Chicago, Illinois 60185
 (630) 520-9973

Shivam Energy, Inc.
 399 West Liberty Street
 Wauconda, Illinois 60084

SITE MAP
 FORMER CLARK RETAIL STATION #646
 399 WEST LIBERTY STREET
 WAUCONDA, LAKE COUNTY, ILLINOIS



LEGEND

	PROPERTY BOUNDARY
	APPROXIMATE LIMITS OF SOIL EXCAVATION
	RECOVERY WELL LOCATION
	OBSERVATION SUMP LOCATION
	DESTROYED SOIL VAPOR MONITORING POINT LOCATION
	WELL NUMBER
	GAUGING DATE
	FREE PRODUCT THICKNESS

DRAWN BY:	SAA	FIGURE	2
APPROVED BY:	MIC		
SCALE:	1" = 30'		
DATE:	8/22/2013		
DRAWING FILE:	MD13-104		

FREE PRODUCT THICKNESS
 FORMER CLARK RETAIL STATION #646
 399 WEST LIBERTY STREET
 WAUCONDA, LAKE COUNTY, ILLINOIS

Shivam Energy, Inc.
 399 West Liberty Street
 Wauconda, Illinois 60084

TriCore Environmental, LLC
 1800 West Hawthorne Lane, Suite P
 West Chicago, Illinois 60185
 (630) 520-9973

(FORMER PHILLIP'S 66
 GASOLINE STATION)

OSAGE STREET

CAR DEALER
 PARKING

CLOSED
 RESTAURANT

APPROXIMATE
 LIMITS OF
 SOIL EXCAVATION
 (1990)

INFILTRATION
 GALLERY

FORMER
 6K GAL. UST
 (TYP. OF 2)

FLOWER
 SHOP

STORM
 INLET

STORE

REMEDICATION
 SYSTEM
 SHED

RESIDENCE

RESIDENCE

RESIDENCE

RESIDENCE

AT&T
 MANHOLE

SANITARY
 MANHOLE

VENTS

CLEAROUT

GARAGE

RESIDENCE

RESIDENCE

RESIDENCE

RESIDENCE

6K GAL. UST
 (TYP. OF 2)

SANITARY
 MANHOLE

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TABLES

Table 1
Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGC/IER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
BW-1	1/19/93						BDL	BDL	BDL	BDL	
BW-1	6/17/93						<0.001	<0.001	<0.001	<0.001	
BW-1	1/11/93						<0.001	<0.001	<0.001	<0.001	
BW-1	6/27/94						<0.002	<0.002	<0.002	<0.003	
BW-1	2/16/95						<0.002	<0.002	<0.002	<0.005	
BW-1	7/28/95						<0.002	<0.002	<0.002	<0.005	
BW-1	3/22/96						<0.001	<0.001	<0.001	<0.003	
BW-1	10/11/01	99.08		27.34		71.74	<0.001	<0.001	<0.001	<0.003	
BW-1	3/14/02	99.08		25.56		73.52	<0.001	<0.001	<0.001	<0.003	
BW-1	6/6/02	99.08		30.36		68.72	<0.001	<0.001	<0.001	<0.003	
BW-1	8/30/02	99.08		28.25		70.83	<0.001	<0.001	<0.001	<0.003	
BW-1	12/6/02	99.08		26.61		72.47	<0.001	<0.001	<0.001	<0.003	
BW-1	5/6/04	99.08					Not able to open, manhole needs to be repaired				
MP-1	4/21/05	108.51		5.09		103.42	0.49	0.013	<0.0025	0.015	0.0096
MP-1	1/6/09	108.51					0.0301	0.0011	0.0021	<0.003	0.001
MP-1	12/3/12						Well destroyed during remediation system trenching				
MP-2	4/21/05	108.72		5.31		103.41	0.23	0.0095	0.14	0.2	0.0077
MP-2	12/3/12						Well destroyed during remediation system trenching				
MP-2	12/3/12					103.41	0.13	0.65	0.13	1.2	0.011
MP-3	4/21/05	109.30		5.89		104.13					
MP-3	12/29/08	109.30		5.17		103.59					
MP-3	6/22/10	109.30		5.71		103.62					
MP-3	6/30/10	109.30		5.68		103.68					
MP-3	7/6/10	109.30		5.62		103.63					
MP-3	7/13/10	109.30		5.67		103.63					
MP-3	7/20/10	109.30		5.64		103.66					
MP-3	7/27/10	109.30		5.60		103.70					
MP-3	8/18/10	109.30		5.63		103.67					
MP-3	8/24/10	109.30		5.78		103.52					
MP-3	8/24/10	109.30		5.82		103.48					
MP-3	8/31/10	109.30		5.65		103.65					
MP-3	9/21/10	109.30		5.63		103.67					
MP-3	9/30/10	109.30		5.65		103.65					
MP-3	10/12/10	109.30		5.58		103.72					
MP-3	11/3/10	109.30		5.65		103.65					
MP-3	11/15/10	109.30		5.71		103.59					
MP-3	12/2/10	109.30		5.65		103.65					
MP-3	12/10/11	109.30		6.63		102.67					
MP-3	1/5/11	109.30		5.64		103.66					
MP-3	3/14/11	109.30		5.72		103.58	0.361	7.15	1.11	10.8	<0.05
MP-3	4/14/11	109.30					Well destroyed during remediation system trenching				
MP-3	12/3/12						0.24	0.014	<0.001	0.013	0.0061
MP-4	4/21/05	109.33		5.89		103.44	Well destroyed during remediation system trenching				
MP-4	12/3/12										
MW-2	11/29/90		10.00	10.30	0.30						
MW-2	1/27/92		FP								
MW-2	2/19/92		FP								
MW-2	8/24/92		FP								
MW-2	1/19/93		FP								
MW-2	6/17/93	101.06		10.71		90.35	0.23	3.2	0.65	15	
MW-2	11/11/93	101.06		10.96		90.10	0.134	0.01	0.052	1.43	
MW-2	6/27/94	101.06	10.95	10.96	0.01	96.11					
MW-2	2/16/95	101.06		10.36		90.70	0.178	0.0313	0.447	0.3	
MW-2	7/28/95	101.06		10.13		90.93	0.257	0.117	0.139	0.808	
MW-2	3/22/96	101.06		11.14		89.92	0.1	0.154	0.331	3.93	
MW-2	6/17/96	101.06		9.33		91.73	0.0029	0.0041	0.0107	0.355	
MW-2	9/25/96	101.06		10.68		90.38	0.0154	0.0167	0.0546	0.584	
MW-2	4/24/97	101.06		9.89		91.17	1.11	3.1	0.71	5.76	
MW-2	6/17/97	101.06		9.88		91.18	2.57	3.85	0.487	5.53	
MW-2	8/27/97	101.06		10.48		90.58	0.116	0.519	0.534	7.45	
MW-2	11/5/97	113.61		10.75		102.86	0.076	0.02	0.31	2.4	
MW-2	2/27/98	113.61		10.23		103.38	0.17	0.029	0.074	0.73	
MW-2	6/10/98	113.61		10.08		103.53	0.0079	0.0011	0.0075	0.15	
MW-2	10/8/98	113.61		10.31		103.30	0.013	0.019	0.18	1.38	
MW-2	3/31/99	113.61		10.12		103.49	0.64	0.024	0.087	250/<5	
MW-2	6/9/99	113.61		10.00		103.61	0.77	0.22	0.075	0.62	
MW-2	9/2/99	113.61		10.60		103.01	0.086	0.0076	0.029	0.066	
MW-2	10/28/99	113.61		10.52		103.09	0.16	0.0025	0.016	0.041	
MW-2	2/23/00	113.61		10.32		103.29	0.55	0.019	0.27	0.861	
MW-2	5/24/00	113.61		9.77		103.84	0.09	0.11	0.11	1.37	
MW-2	8/15/00	113.61		10.21		103.40	0.36	0.13	0.054	0.41	
MW-2	11/9/00	113.61		10.03		103.58	0.14	0.099	0.12	0.96	

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class 1 Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-2	10/11/01	113.61		10.24		103.37	0.027	0.036	0.02	0.142	
MW-2	3/14/02	113.61		9.85		103.76	0.083	0.012	0.13	0.72	
MW-2	6/6/02	113.61		9.62		103.99	0.1	0.052	0.32	3.08	
MW-2	8/30/02	113.61		10.16		103.45	0.017	0.0058	0.073	0.448	
MW-2	12/6/02	113.61		10.62		102.99	<0.001	<0.001	0.003	0.0031/<0.001	
MW-2	5/6/04	113.61		10.34		103.27	0.031	0.0014	0.0046	0.003	<0.01
MW-2	4/21/05	113.61		10.17		103.44	0.035	<0.001	0.0022	0.029	0.024
MW-2	12/31/08	113.61		9.58		104.03					
MW-2	1/5/09	113.61		9.84		103.77					
MW-2	1/8/09	113.61									
MW-2	8/18/09	113.61		6.33		107.28					
MW-2	9/1/09	113.61		10.13		103.48					
MW-2	6/22/10	113.61		10.05		103.56					
MW-2	6/30/10	113.61		10.01		103.60					
MW-2	7/6/10	113.61		10.15		103.46					
MW-2	7/13/10	113.61		10.16		103.45					
MW-2	7/20/10	113.61		10.61		103.00					
MW-2	7/27/10	113.61		10.14		103.47					
MW-2	8/18/10	113.61		10.20		103.41					
MW-2	8/24/10	113.61		10.10		103.51					
MW-2	8/31/10	113.61		10.08		103.53					
MW-2	9/21/10	113.61		10.06		103.55					
MW-2	9/30/10	113.61		10.05		103.56					
MW-2	10/12/10	113.61		10.02		103.59					
MW-2	11/3/10	113.61		9.95		103.66					
MW-2	11/15/10	113.61		9.97		103.64					
MW-2	12/2/10	113.61		9.95		103.66					
MW-2	12/10/10	113.61		9.85		103.76					
MW-2	12/22/10	113.61		9.20		104.41					
MW-2	12/27/10	113.61		9.83		103.78					
MW-2	12/3/12	113.61		10.75		102.86					
MW-2	12/6/12	113.61		10.80		102.81					
MW-2	12/10/12	113.61		10.75		102.86					
MW-2	12/14/12	113.61		10.78		102.83					
MW-2	12/18/12	113.61		10.65		102.96					
MW-2	12/27/12	113.61		10.53		103.08					
MW-2	1/7/13	113.61		10.73		102.88					
MW-2	1/14/13	113.61		10.58		103.03					
MW-2	1/28/13	113.61		10.60		103.01					
MW-2	2/6/13	113.61		10.52		103.09					
MW-2	2/11/13	113.61		10.13		103.48					
MW-2	2/18/13	113.61		10.37		103.24					
MW-2	2/27/13	113.61		10.42		103.19					
MW-2	3/4/13	113.61		10.36		103.25					
MW-2	3/25/13	113.61		10.28		103.33					
MW-2	4/4/13	113.61		10.36		103.25					
MW-2	4/8/13	113.61		10.28		103.33					
MW-2	4/15/13	113.61		10.04		103.57					
MW-2	4/22/13	113.61		9.72		103.89					
MW-2	5/8/13	113.61		10.12		103.49					
MW-2	5/23/13	113.61		10.32		103.29					
MW-2	7/3/13	113.61		10.08		103.53					
MW-4	11/28/90						3.5	0.33	0.27	1.1	
MW-4	1/27/92						3.1	0.065	0.072	4.147	
MW-4	8/24/92						0.14	0.024	0.19	0.49	
MW-4	1/19/93						0.26	0.006	BDL	0.021	
MW-4	6/17/93	98.97		8.22		90.75	0.015	<0.001	<0.001	0.005	
MW-4	11/11/93	98.97		8.58		90.39	<0.001	<0.001	<0.001	<0.001	
MW-4	6/27/94	98.97		8.65		90.32	0.154	0.0243	0.0081	0.0098	
MW-4	2/16/95	98.97		8.24		90.73	0.253	0.113	0.0845	0.202	
MW-4	7/28/95	98.97		8.06		90.91	0.179	0.0115	0.175	0.261	
MW-4	3/22/96	98.97		8.75		90.22	0.363	0.346	0.178	0.456	
MW-4	6/17/96	98.97		5.79		93.18	<0.002	<0.002	<0.002	<0.005	
MW-4	9/25/96	98.97		8.44		90.53	0.0032	<0.002	0.0052	0.0052	
MW-4	4/24/97	98.97		7.84		91.13	0.444	0.0255	0.0945	0.11	
MW-4	6/17/97	98.97		6.87		92.10	0.386	0.0359	0.125	0.273	
MW-4	8/27/97	98.97		8.23		90.74	0.0568	0.0321	0.128	0.322	
MW-4	11/5/97	111.44		8.54		102.90	0.037	0.0035	0.043	0.11	
MW-4	2/27/98	111.44		7.98		103.46	0.13	<0.005	<0.005	0.04	
MW-4	6/10/98	111.44		7.94		103.50	0.029	0.019	0.022	0.052	

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-4	10/8/98	111.44		8.52		102.92	0.018	0.0024	0.033	0.1/ <0.001	
MW-4	3/31/99	111.44		8.07		103.37	<0.001	<0.001	<0.001	<0.003	
MW-4	6/9/99	111.44		8.07		103.37	0.36	0.028	0.28	0.8228	
MW-4	9/2/99	111.44		9.50		101.94	0.18	0.017	0.28	1.1/ <0.005	
MW-4	10/28/99	111.44		8.44		103.00	0.073	0.0046	0.095	0.360/ <0.004	
MW-4	2/23/00	111.44		8.17		103.27	0.57	<0.005	0.042	0.061/ <0.005	
MW-4	5/24/00	111.44		7.69		103.75	0.095	0.0057	0.01	0.0089/ <0.001	
MW-4	8/15/00	111.44		8.10		103.34	0.36	0.022	0.13	0.140/ <0.0025	
MW-4	11/9/00	111.44		7.97		103.47	0.16	<0.025	0.13	0.064/ <0.005	
MW-4	10/11/01	111.44		8.11		103.33	0.039	0.005	0.03	0.013/ <0.001	
MW-4	3/14/02	111.44		7.68		103.76	0.13	0.0049	<0.001	<0.003	
MW-4	6/6/02	111.44		7.35		104.09	0.013	<0.001	0.0058	0.0025/ <0.001	
MW-4	8/30/02	111.44		8.05		103.39	0.14	0.013	0.035	0.031/ <0.001	
MW-4	12/6/02	111.44		8.53		102.91	0.17	0.004	0.0016	0.016/ <0.001	
MW-4	5/6/04	111.44									
MW-4	4/21/05	111.44		8.07		103.37	0.14	0.003	<0.001	0.0035	0.0011
MW-4	1/5/09	111.44		7.64		103.80					
MW-4	1/6/09	111.44									
MW-4	9/1/09	111.44		8.01		103.43					
MW-4	3/4/13	111.44		8.27		103.17					
MW-4	3/25/13	111.44		7.84		103.60					
MW-4	5/23/13	111.44		8.03		103.41					
MW-5	11/28/90						<0.005	<0.005	<0.005	<0.01	
MW-5	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-5	8/24/92						<0.002	<0.002	<0.002	<0.005	
MW-5	1/19/93						BDL	BDL	BDL	BDL	
MW-5	6/17/93	95.44		4.71		90.73	<0.001	<0.001	<0.001	<0.001	
MW-5	11/11/93	95.44		5.09		90.35	<0.001	<0.001	<0.001	<0.001	
MW-5	6/27/94	95.44		5.31		90.13	<0.001	<0.001	<0.001	<0.003	
MW-5	2/16/95	95.44		4.81		90.63	<0.002	<0.002	<0.002	<0.005	
MW-5	7/28/95	95.44		4.99		90.45	<0.0073	<0.002	<0.002	<0.005	
MW-5	3/22/96	95.44		5.28		90.16	<0.002	<0.002	<0.002	<0.005	
MW-5	6/17/96	95.44		4.24		91.20	<0.002	<0.002	<0.002	<0.005	
MW-5	9/25/96	95.44		5.07		90.37	<0.002	<0.002	<0.002	<0.005	
MW-5	4/24/97	95.44		4.40		91.04	<0.002	<0.002	<0.002	<0.005	
MW-5	6/17/97	95.44		4.34		91.10	<0.002	<0.002	<0.002	<0.003	
MW-5	8/27/97	95.44		4.84		90.60	<0.002	<0.002	<0.002	<0.003	
MW-5	11/5/97	108.15		5.21		102.94	<0.001	<0.001	<0.01	<0.003	
MW-5	2/27/98	108.15		4.58		103.57	<0.001	<0.001	<0.001	<0.003	
MW-5	6/10/98	108.15		4.53		103.62	<0.001	<0.001	<0.001	<0.003	
MW-5	10/8/98	108.15		4.78		103.37	<0.001	<0.001	<0.001	<0.003	
MW-5	3/31/99	108.15		4.76		103.39	0.053	0.07	0.11	0.38	
MW-5	6/9/99	108.15		4.65		103.50	<0.001	<0.001	<0.001	<0.003	
MW-5	9/2/99	108.15		5.34		102.81	<0.001	<0.001	<0.001	<0.002	
MW-5	10/28/99	108.15		5.19		102.96	<0.001	<0.001	<0.001	<0.003	
MW-5	2/23/00	108.15		4.92		103.23					
MW-5	5/24/00	108.15		4.34		103.81	<0.001	<0.001	<0.001	<0.003	
MW-5	8/15/00	108.15		4.81		103.34	<0.001	<0.001	<0.001	<0.003	
MW-5	11/9/00	108.15		4.75		103.40	<0.001	<0.001	<0.001	<0.003	
MW-5	10/11/01	108.15		4.80		103.35	<0.001	<0.001	<0.001	<0.003	
MW-5	3/14/02	108.15		4.41		103.74	<0.001	<0.001	<0.001	<0.003	
MW-5	6/6/02	108.15		4.63		103.52	<0.001	<0.001	<0.001	<0.003	
MW-5	8/30/02	108.15		4.75		103.40	<0.001	<0.001	<0.001	<0.003	
MW-5	12/6/02	108.15		5.24		102.91	<0.001	<0.001	<0.001	<0.003	
MW-5	5/6/04										
MW-6	11/28/90						<0.005	<0.005	<0.005	<0.01	
MW-6	1/19/93						BDL	BDL	BDL	BDL	
MW-6	6/17/93	98.46		7.07		91.39	<0.001	<0.001	<0.001	<0.001	
MW-6	11/11/93	98.46		7.63		90.83	<0.001	<0.001	<0.001	<0.001	
MW-6	8/27/94	98.46		7.57		90.89	<0.001	<0.001	<0.001	<0.003	
MW-6	2/16/95	98.46		7.41		91.05	<0.002	<0.002	<0.002	<0.005	
MW-6	7/28/95	98.46		7.11		91.35	0.0045	<0.002	<0.002	<0.005	
MW-6	3/22/96	98.46		7.89		90.57	<0.002	<0.002	<0.002	<0.005	
MW-6	6/17/96	98.46		6.11		92.35	<0.002	<0.002	<0.002	<0.005	
MW-6	9/25/96	98.46		7.59		90.87	<0.002	<0.002	<0.002	<0.005	
MW-6	4/24/97	98.46		6.87		91.59	<0.002	<0.002	<0.002	<0.005	
MW-6	6/17/97	98.46		6.81		91.65	<0.002	<0.002	<0.002	<0.005	
MW-6	8/27/97	98.46		7.34		91.12	<0.002	<0.002	<0.002	<0.005	
MW-6	11/5/97	111.06		7.74		103.32	<0.001	<0.001	<0.002	<0.003	
MW-6	2/27/98	111.06		7.03		104.03	<0.001	<0.001	<0.001	<0.003	

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Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-6	6/10/98	111.06		6.97		104.09	<0.001	<0.001	<0.001	<0.003	
MW-6	10/8/98	111.06		7.28		103.78	<0.001	<0.001	<0.001	<0.003	
MW-6	3/31/99	111.06		7.14		103.92	<0.001	<0.001	<0.001	<0.003	
MW-6	6/9/99	111.06		6.95		104.11	<0.001	<0.001	<0.001	<0.003	
MW-6	9/2/99	111.06		7.71		103.35	<0.001	<0.001	<0.001	<0.002	
MW-6	10/28/99	111.06		7.64		103.42	<0.001	<0.001	<0.001	<0.002	
MW-6	2/23/00	111.06		7.42		103.64	<0.001	<0.001	<0.001	<0.003	
MW-6	5/24/00	111.06		6.68		104.38	<0.001	<0.001	<0.001	<0.003	
MW-6	8/15/00	111.06		7.25		103.81	0.58	3.1	0.55	2.49	
MW-6	11/9/00	111.06		7.11		103.95	0.069	1	0.35	2.3	
MW-6	10/11/01	111.06	sheen	7.39	sheen	103.67					
MW-6	3/14/02	111.06	sheen	6.93	sheen	104.13	0.0029	0.002	0.015	0.032	
MW-6	6/6/02	111.06	sheen	6.70	sheen	104.36	0.0017	0.0016	0.012	0.0256	
MW-6	8/30/02	111.06	sheen	7.27	sheen	103.79	0.0015	0.0011	0.1	0.0245	
MW-6	12/6/02	111.06	sheen	7.83	sheen	103.23	<0.001	<0.001	0.0041	0.0099	
MW-6	5/6/04	111.06	sheen	7.45	sheen	103.61	<0.001	<0.001	0.001	<0.003	<0.001
MW-6	4/21/05	111.06		7.26		103.80				<0.003	<0.001
MW-6	4/22/05	111.06					<0.001	<0.001	<0.001		
MW-6	12/29/08	111.06		6.67		104.39					
MW-6	1/5/09	111.06		7.06		104.00					
MW-6	1/6/09	111.06					<0.001	<0.001	<0.001	<0.003	<0.001
MW-6	9/1/09	111.06		7.27		103.79					
MW-6	6/22/10	111.06		7.13		103.93					
MW-6	6/30/10	111.06		7.12		103.94					
MW-6	7/6/10	111.06		7.10		103.96					
MW-6	7/13/10	111.06		7.09		103.97					
MW-6	7/20/10	111.06		7.42		103.64					
MW-6	7/27/10	111.06		7.08		103.98					
MW-6	8/18/10	111.06		7.11		103.95					
MW-6	8/24/10	111.06		7.25		103.81					
MW-6	8/31/10	111.06		7.24		103.82					
MW-6	9/21/10	111.06		7.30		103.76					
MW-6	9/30/10	111.06		7.34		103.72					
MW-6	10/12/10	111.06		7.32		103.74					
MW-6	11/3/10	111.06		7.58		103.48					
MW-6	11/15/10	111.06		7.61		103.45					
MW-6	12/2/10	111.06		7.65		103.41					
MW-6	12/10/10	111.06		7.61		103.45					
MW-6	12/22/10	111.06		7.58		103.48					
MW-6	12/27/10	111.06		7.60		103.46					
MW-6	3/2/11	111.06		7.16		103.90					
MW-6	3/7/11	111.06		7.06		104.00					
MW-6	4/14/11	111.06		7.16		103.90	<0.001	<0.001	<0.001	<0.003	<0.001
MW-6	12/3/12	111.06		8.18		102.88					
MW-6	12/6/12	111.06		8.25		102.81					
MW-6	12/10/12	111.06		8.23		102.83					
MW-6	12/14/12	111.06		8.30		102.78					
MW-6	2/18/13	111.06									
Filled in with dirt											
MW-7	11/29/90		7.39	7.69	0.30						
MW-7	4/21/05										
MW-7	4/21/05										
MW-BS	4/1/91	88.88		6.61		80.27	<0.005	<0.005	<0.005	<0.01	
MW-BS	1/27/92						<0.002	<0.003	<0.002	<0.01	
MW-BS	8/24/92						<0.002	<0.003	<0.002	<0.007	
MW-BS	6/17/93	98.29		7.56		90.73	<0.001	<0.001	<0.001	<0.001	
MW-BS	11/11/93	98.29		7.58		90.71	<0.001	<0.001	<0.001	<0.001	
MW-BS	6/27/94	98.29		7.46		90.83	<0.001	<0.001	<0.001	<0.001	
MW-BS	2/16/95	98.29		7.43		90.86	<0.002	<0.002	<0.002	<0.005	
MW-BS	7/28/95	98.29		7.14		91.15	<0.0034	<0.002	<0.002	<0.005	
MW-BS	3/22/96	98.29		7.73		90.56	<0.002	<0.002	<0.002	<0.005	
MW-BS	6/17/96	98.29		6.46		91.83	<0.002	<0.002	<0.002	<0.005	
MW-BS	9/25/96	98.29		7.49		90.80	<0.002	<0.002	<0.002	<0.005	
MW-BS	4/24/97	98.29		6.94		91.35	<0.002	<0.002	<0.002	<0.005	
MW-BS	6/17/97	98.29		6.86		91.43	<0.002	<0.002	<0.002	<0.005	
MW-BS	8/27/97	98.29		7.26		91.03	<0.002	<0.002	<0.002	<0.005	
MW-BS	11/5/97	110.89		7.62		103.27	<0.001	<0.001	<0.001	<0.003	
MW-BS	2/27/98	110.89		7.50		103.39	<0.001	<0.001	<0.001	<0.001	
MW-BS	6/10/98	110.89		6.95		103.94	<0.001	<0.001	<0.001	<0.001	
MW-BS	10/8/98	110.89		7.19		103.70	<0.001	<0.001	<0.001	<0.003	
MW-BS	3/31/99	110.89		7.12		103.77	<0.001	<0.001	<0.001	<0.003	
MW-BS	6/9/99	110.89		7.00		103.89	<0.001	<0.001	<0.001	<0.003	

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIEP - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-8S	9/2/99	110.89		7.61		103.28	<0.001	<0.001	<0.001	<0.002	
MW-8S	10/28/99	110.89		7.56		103.33	<0.001	<0.001	<0.001	<0.002	
MW-8S	2/23/00	110.89		7.48		103.41	<0.001	0.0024	<0.001	<0.0041	
MW-8S	5/24/00	110.89		6.77		104.12	<0.001	<0.001	<0.001	<0.003	
MW-8S	8/15/00	110.89		7.62		103.27	<0.001	<0.001	<0.001	<0.003	
MW-8S	11/9/00	110.89		7.20		103.69	<0.001	<0.001	<0.001	<0.003	
MW-8S	10/11/01	110.89		7.26		103.63	<0.001	<0.001	<0.001	<0.003	
MW-8S	3/14/02	110.89		6.91		103.98	<0.001	<0.001	<0.001	<0.003	
MW-8S	6/6/02	110.89		6.71		104.18	<0.001	<0.001	<0.001	<0.003	
MW-8S	8/30/02	110.89		7.18		103.71	<0.001	<0.001	<0.001	<0.003	
MW-8S	12/6/02	110.89		7.64		103.25	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8S	5/6/04	110.89		7.39		103.50	<0.001	<0.001	<0.001	<0.003	
MW-8S	4/21/05	110.89		7.22		103.67					
MW-8S	4/22/05	110.89					<0.001	<0.001	<0.001	<0.003	<0.001
MW-8S	1/5/09	110.89		6.97		103.92					
MW-8S	1/6/09	110.89		7.00		103.89	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8S	9/1/09	110.89		7.22		103.67					
MW-8S	4/14/11	110.89		7.15		103.74	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8S	12/3/12	110.89		7.89		103.00					
MW-8S	12/6/12	110.89		7.90		102.99					
MW-8S	12/10/12	110.89		7.87		103.02					
MW-8S	12/14/12	110.89		7.92		102.97					
MW-8S	12/18/12	110.89		7.95		102.94					
MW-8S	12/27/12	110.89		7.90		102.99					
MW-8S	1/7/13	110.89		7.89		103.00					
MW-8S	1/28/13	110.89		5.29		105.60					
MW-8S	2/11/13	110.89		7.29		103.60					
MW-8S	4/4/13	110.89		7.86		103.03					
MW-8S	4/8/13	110.89		7.67		103.22					
MW-8S	4/14/13	110.89		7.17		103.72					
MW-8S	4/22/13	110.89		5.18		105.71					
MW-8S	5/8/13	110.89		7.20		103.69					
MW-8S	5/23/13	110.89		7.22		103.67					
MW-8S	7/3/13	110.89		7.20		103.69					
MW-8D	4/1/91	86.96		6.77		80.19	<0.005	<0.005	<0.005	<0.01	
MW-8D	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-8D	8/24/92						<0.002	<0.002	<0.002	<0.005	
MW-8D	11/11/93	98.31		7.50		90.81	<0.001	<0.001	<0.001	<0.001	
MW-8D	6/27/94	98.31		7.94		90.37	<0.001	<0.001	<0.001	<0.003	
MW-8D	2/16/95	98.31		7.80		90.51	<0.002	0.0039	<0.002	<0.005	
MW-8D	7/28/95	98.31		7.65		90.66	0.0023	<0.002	<0.002	0.0054	
MW-8D	3/22/96	98.31		8.06		90.25	<0.002	<0.002	<0.002	<0.005	
MW-8D	6/17/96	98.31		6.81		91.50	<0.002	<0.002	<0.002	<0.005	
MW-8D	9/25/96	98.31		7.55		90.76	<0.002	<0.002	<0.002	<0.005	
MW-8D	4/24/97	98.31		7.33		90.98	<0.002	<0.002	<0.002	<0.005	
MW-8D	6/17/97	98.31		7.32		90.99	<0.002	<0.002	<0.002	<0.005	
MW-8D	8/27/97	98.31		7.85		90.46	<0.002	<0.002	<0.002	<0.005	
MW-8D	11/5/97	111.03		8.06		102.97	<0.001	<0.001	<0.001	<0.003	
MW-8D	2/27/98	111.03		7.00		104.03	<0.001	<0.001	<0.001	<0.003	
MW-8D	6/10/98	111.03		7.36		103.67	<0.001	<0.001	<0.001	<0.003	
MW-8D	10/8/98	111.03		7.67		103.36	<0.001	<0.001	<0.001	<0.003	
MW-8D	3/31/99	111.03		7.40		103.63	<0.001	<0.001	<0.001	<0.003	
MW-8D	6/9/99	111.03		7.10		103.93	<0.001	<0.001	<0.001	<0.003	
MW-8D	9/2/99	111.03		8.02		103.01	<0.001	<0.001	<0.001	<0.002	
MW-8D	10/28/99	111.03		7.95		103.08	<0.001	<0.001	<0.001	<0.002	
MW-8D	2/23/00	111.03		7.92		103.11	<0.001	<0.001	<0.001	<0.003	
MW-8D	5/24/00	111.03		7.01		104.02	<0.001	<0.001	<0.001	<0.003	
MW-8D	8/15/00	111.03		7.62		103.41	<0.001	<0.001	<0.001	<0.003	
MW-8D	11/9/00	111.03		7.72		103.31	<0.001	<0.005	<0.001	<0.003	
MW-8D	10/11/01	111.03		7.67		103.36	<0.001	<0.001	<0.001	<0.003	
MW-8D	3/14/02	111.03		7.28		103.75	<0.001	<0.001	<0.001	<0.003	
MW-8D	6/6/02	111.03		7.04		103.99	<0.001	<0.001	<0.001	<0.003	
MW-8D	8/30/02	111.03		7.51		103.52	<0.001	<0.001	<0.001	<0.003	
MW-8D	12/6/02	111.03		8.00		103.03	<0.001	<0.001	<0.001	<0.003	
MW-8D	5/6/04	111.03		7.70		103.33	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8D	4/21/05	111.03		7.53		103.50					
MW-8D	4/22/05	111.03					<0.001	<0.001	<0.001	<0.003	<0.001
MW-8D	1/5/09	111.03		7.14		103.89					
MW-8D	1/6/09	111.03					<0.001	<0.001	<0.001	<0.003	<0.001
MW-8D	9/1/09	111.03		7.43		103.60					

Table 1

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Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGC/IER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-8D	4/14/11	111.03		7.51		103.52	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8D	12/3/12	111.03		8.23		102.80					
MW-8D	12/6/12	111.03		8.25		102.78					
MW-8D	12/10/12	111.03		8.18		102.85					
MW-8D	12/14/12	111.03		8.10		102.93					
MW-8D	12/18/12	111.03		8.09		102.94					
MW-8D	12/27/12	111.03		8.05		102.98					
MW-8D	1/7/13	111.03		8.11		102.92					
MW-8D	1/28/13	111.03		5.56		105.47					
MW-8D	2/11/13	111.03		7.51		103.52					
MW-8D	4/4/13	111.03		8.15		102.88					
MW-8D	4/8/13	111.03		8.09		102.94					
MW-8D	4/15/13	111.03		7.45		103.58					
MW-8D	4/22/13	111.03		5.40		105.63					
MW-8D	5/8/13	111.03		7.48		103.55					
MW-8D	5/23/13	111.03		7.50		103.53					
MW-8D	7/3/13	111.03		7.45		103.58					
MW-9S	4/1/91	86.00		6.12		79.88	<0.005	<0.005	<0.005	<0.01	
MW-9S	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-9S	8/24/92						<0.002	<0.002	<0.002	<0.005	
MW-9S	1/19/93						BDL	BDL	BDL	BDL	
MW-9S	6/17/93	97.42		6.79		90.63	<0.001	<0.001	<0.001	<0.001	
MW-9S	11/11/93	97.42		7.04		90.38	<0.001	<0.001	<0.001	<0.001	
MW-9S	6/27/94	97.42		7.03		90.39	<0.001	<0.001	<0.001	<0.003	
MW-9S	2/16/95	97.42		7.04		90.38	<0.002	<0.002	<0.002	<0.005	
MW-9S	7/28/95	97.42		6.82		90.60	<0.002	<0.002	<0.002	<0.005	
MW-9S	3/22/96	97.42		7.32		90.10	<0.002	<0.002	<0.002	<0.005	
MW-9S	6/17/96	97.42		6.35		91.07	<0.002	<0.002	<0.002	<0.005	
MW-9S	9/25/96	97.42		7.10		90.32	<0.002	<0.002	<0.002	<0.005	
MW-9S	4/24/97	97.42		6.72		90.70	<0.002	<0.002	<0.002	<0.005	
MW-9S	6/17/97	97.42		6.74		90.68	<0.002	<0.002	<0.002	<0.005	
MW-9S	8/27/97	97.42		6.90		90.52	<0.002	<0.002	<0.002	<0.005	
MW-9S	11/5/97	110.16		7.21		102.95	<0.001	<0.001	<0.001	<0.003	
MW-9S	2/27/98	110.16		6.86		103.30	<0.001	<0.001	<0.001	<0.003	
MW-9S	6/10/98	110.16		6.67		103.49	<0.001	<0.001	<0.001	<0.003	
MW-9S	10/8/98	110.16		6.83		103.33	<0.001	<0.001	<0.001	<0.003	
MW-9S	3/31/99	110.16		6.90		103.28	<0.001	<0.001	<0.001	<0.003	
MW-9S	6/9/99	110.16		6.76		103.40	<0.001	<0.001	<0.001	<0.003	
MW-9S	9/2/99	110.16		7.26		102.90	<0.001	<0.001	<0.001	<0.003	
MW-9S	10/28/99	110.16		7.20		102.95	<0.001	<0.001	<0.001	<0.003	
MW-9S	2/23/00	110.16		7.90		102.26	<0.001	<0.001	<0.001	<0.003	
MW-9S	5/24/00	110.16		6.64		103.52	<0.001	<0.001	<0.001	<0.003	
MW-9S	8/15/00	110.16		6.93		103.23	<0.001	<0.001	<0.001	<0.003	
MW-9S	11/9/00	110.16		6.75		103.41	<0.001	<0.005	<0.001	<0.003	
MW-9S	10/11/01	110.16		6.86		103.20	<0.001	<0.001	<0.001	<0.003	
MW-9S	3/14/02	110.16		6.73		103.43	<0.001	<0.001	<0.001	<0.003	
MW-9S	6/6/02	110.96		6.52		104.44	<0.001	<0.001	<0.001	<0.003	
MW-9S	8/30/02	110.96		6.92		104.04	<0.001	<0.001	<0.001	<0.003	
MW-9S	12/6/02	110.96		7.27		103.69	<0.001	<0.001	<0.001	<0.003	
MW-9S	5/6/04	110.96		7.12		103.84	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9S	4/21/05	110.96		6.95		104.01	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9S	4/22/05	110.96					Obstruction in well, not able to gauge or collect samples				
MW-9S	1/6/09	110.96									
MW-9S	9/1/09	110.96		6.96		104.00					
MW-9S	4/14/11	110.96		6.95		104.01	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9S	1/28/13	110.96		7.47		103.49					
MW-9D	4/1/91	86.06		6.26		79.80	<0.005	<0.005	<0.005	<0.01	
MW-9D	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-9D	8/24/92										
MW-9D	1/19/93										
MW-9D	6/17/93						<0.001	<0.001	<0.001	<0.001	
MW-9D	11/11/93	97.48		7.13		90.35	<0.001	<0.001	<0.001	<0.003	
MW-9D	6/27/94	97.48		7.13		90.35	<0.001	<0.001	<0.001	<0.003	
MW-9D	2/16/95	97.48		7.15		90.33	<0.002	<0.002	<0.002	<0.005	
MW-9D	7/28/95	97.48		6.92		90.56	<0.002	<0.002	<0.002	<0.005	
MW-9D	3/22/96	97.48		7.42		90.08	<0.002	<0.002	<0.002	<0.005	
MW-9D	6/17/96	97.48		6.44		91.04	<0.002	<0.002	<0.002	<0.005	
MW-9D	9/25/96	97.48		7.19		90.29	<0.002	<0.002	<0.002	<0.005	
MW-9D	4/24/97	97.48		6.84		90.64	<0.002	<0.002	<0.002	<0.005	
MW-9D	6/17/97	97.48		6.79		90.69	<0.002	<0.002	<0.002	<0.005	

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-9D	8/27/97	97.48		7.02		90.46	<0.002	<0.002	<0.002	<0.005	
MW-9D	11/5/97	110.26		7.32		102.94	<0.001	<0.001	<0.001	<0.003	
MW-9D	2/27/98	110.26		6.74		103.52	<0.001	<0.001	<0.001	<0.003	
MW-9D	6/10/98	110.26		6.79		103.47	<0.001	<0.001	<0.001	<0.003	
MW-9D	10/8/98	110.26		6.93		103.33	<0.001	<0.001	<0.001	<0.003	
MW-9D	3/31/99	110.26		7.01		103.25	<0.001	<0.001	<0.001	<0.003	
MW-9D	6/9/99	110.26		6.87		103.39	<0.001	<0.001	<0.001	<0.003	
MW-9D	9/2/99	110.26		7.41		102.85	<0.001	<0.001	<0.001	<0.003	
MW-9D	10/28/99	110.26		7.31		102.95	<0.001	<0.001	<0.001	<0.003	
MW-9D	2/23/00	110.26		7.10		103.16	<0.001	<0.001	<0.001	<0.003	
MW-9D	5/24/00	110.26		6.74		103.52	<0.001	<0.001	<0.001	<0.003	
MW-9D	8/15/00	110.26		7.07		103.19	<0.001	<0.001	<0.001	<0.003	
MW-9D	11/9/00	110.26		6.90		103.36	<0.001	<0.001	<0.001	<0.003	
MW-9D	10/11/01	110.26		7.05		103.21	<0.001	<0.001	<0.001	<0.003	
MW-9D	3/14/02	110.26		6.83		103.43	<0.001	<0.001	<0.001	<0.003	
MW-9D	6/6/02	110.26		6.62		103.64	<0.001	<0.001	<0.001	<0.003	
MW-9D	8/30/02	110.26		7.04		103.22	<0.001	<0.001	<0.001	<0.003	
MW-9D	12/6/02	110.26		7.38		102.88	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	5/6/04	110.26		7.21		103.05	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	4/21/05	110.26		7.04		103.22					
MW-9D	4/22/05	110.26					<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	1/5/09	110.26		6.91		103.35	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	1/6/09	110.26									
MW-9D	9/1/09	110.26		7.05		103.21					
MW-9D	4/14/11	110.26		7.06		103.20	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	1/28/13	110.26		7.58		102.68					
MW-10S	4/1/91	85.93		5.28		80.65	<0.005	<0.005	<0.005	<0.010	
MW-10S	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-10S	8/24/92						BDL	BDL	BDL	BDL	
MW-10S	1/19/93						<0.001	<0.001	<0.001	<0.001	
MW-10S	6/17/93	96.38		5.91		90.47	<0.001	<0.001	<0.001	<0.001	
MW-10S	11/11/93	96.38		6.12		90.26	<0.001	<0.001	<0.001	<0.001	
MW-10S	6/27/94	96.38		6.11		90.27	<0.001	<0.001	<0.001	<0.003	
MW-10S	2/18/95	96.38		6.08		90.30	<0.002	<0.002	<0.002	<0.005	
MW-10S	7/28/95	96.38		5.84		90.54	<0.002	<0.002	<0.002	<0.005	
MW-10S	3/22/96	96.38		6.33		90.05	<0.002	<0.002	<0.002	<0.005	
MW-10S	6/17/96	96.38		5.26		91.12	<0.002	<0.002	<0.002	<0.005	
MW-10S	9/25/96	96.38		6.09		90.29	<0.002	<0.002	<0.002	<0.005	
MW-10S	4/24/97	96.38		5.73		90.65	<0.002	<0.002	<0.002	<0.005	
MW-10S	6/17/97	96.38		5.64		90.74	<0.002	<0.002	<0.002	<0.005	
MW-10S	8/27/97	96.38		5.90		90.48	0.0126	<0.002	<0.002	<0.005	
MW-10S	11/5/97	108.99		6.19		102.80	<0.001	<0.001	<0.001	<0.003	
MW-10S	2/27/98	108.99		5.77		103.22	<0.001	<0.001	<0.001	<0.003	
MW-10S	6/10/98	108.99		5.66		103.33	<0.001	<0.001	<0.001	<0.003	
MW-10S	10/8/98	108.99		5.83		103.16	<0.001	<0.001	<0.001	<0.003	
MW-10S	3/31/99	108.99		5.95		103.04	<0.001	<0.001	<0.001	<0.003	
MW-10S	6/9/99	108.99		5.76		103.23	<0.001	<0.001	<0.001	<0.003	
MW-10S	9/2/99	108.99		6.21		102.78	<0.001	<0.001	<0.001	<0.003	
MW-10S	10/28/99	108.99		6.30		102.69	<0.001	<0.001	<0.001	<0.003	
MW-10S	2/23/00	108.99		6.06		102.93	<0.001	<0.001	<0.001	<0.003	
MW-10S	5/24/00	108.99		5.68		103.31	<0.001	<0.001	<0.001	<0.003	
MW-10S	8/15/00	108.99		5.94		103.05	<0.001	<0.005	<0.001	<0.003	
MW-10S	11/9/00	108.99		5.90		103.09	<0.001	<0.001	<0.001	<0.003	
MW-10S	10/11/01	108.99		5.94		103.05	<0.001	<0.001	<0.001	<0.003	
MW-10S	3/14/02	108.99		5.79		103.20	<0.001	<0.001	<0.001	<0.003	
MW-10S	6/6/02	108.99		5.55		103.44	<0.001	<0.001	<0.001	<0.003	
MW-10S	8/30/02	108.99		5.91		103.08	<0.001	<0.001	<0.001	<0.003	
MW-10S	12/6/02	108.99		6.24		102.75	<0.001	<0.001	<0.001	<0.003	<0.001
MW-10S	5/6/04	108.99		6.15		102.84	<0.001	<0.001	<0.001	<0.003	<0.001
MW-10S	4/21/05	108.99		5.97		103.02					
MW-10S	4/22/05	108.99					<0.001	<0.001	<0.001	<0.003	<0.001
MW-10S	1/5/09	108.99		5.69		103.30					
MW-10S	1/6/09	108.99					<0.001	<0.001	<0.001	<0.003	<0.001
MW-10S	1/10/11	108.99		6.07		102.92					
MW-10S	4/14/11	108.99		5.87		103.12	<0.001	<0.001	<0.001	<0.003	<0.001
MW-10S	1/28/13	108.99		6.33		102.66					
MW-10D	4/1/91	85.06		5.62		79.44	<0.005	<0.005	<0.005	<0.010	
MW-10D	1/27/92						0.005	<0.002	<0.002	<0.005	
MW-10D	8/24/92						<0.002	<0.002	<0.002	<0.005	
MW-10D	11/11/93	96.31		6.21		90.10	<0.001	<0.001	<0.001	<0.001	

Table 1
Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
CGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-10D	6/27/94	96.31		6.23		90.08	<0.001	<0.001	<0.001	<0.003	
MW-10D	2/16/95	96.31		6.15		90.16	<0.002	<0.002	<0.002	<0.005	
MW-10D	7/28/95	96.31		5.90		90.41	<0.002	<0.002	<0.002	<0.005	
MW-10D	3/22/96	96.31		6.42		89.89	<0.002	<0.002	<0.002	<0.005	
MW-10D	6/17/96	96.31		5.27		91.04	<0.002	<0.002	<0.002	<0.005	
MW-10D	9/25/96	96.31		6.17		90.14	<0.002	<0.002	<0.002	<0.005	
MW-10D	4/24/97	96.31		5.77		90.54	<0.002	<0.002	<0.002	<0.005	
MW-10D	6/17/97	96.31		5.74		90.57	<0.002	<0.002	<0.002	<0.005	
MW-10D	8/27/97	96.31		6.83		89.48	<0.002	<0.002	<0.002	<0.005	
MW-10D	11/5/97	108.93		6.13		102.80	<0.001	<0.001	<0.001	<0.003	
MW-10D	2/27/98	108.93		5.71		103.22	<0.001	<0.001	<0.001	<0.003	
MW-10D	6/10/98	108.93		5.61		103.32	<0.001	<0.001	<0.001	<0.003	
MW-10D	10/8/98	108.93		6.79		102.14	<0.001	<0.001	<0.001	<0.003	
MW-10D	3/31/99	108.93		5.90		103.03	<0.001	<0.001	<0.001	<0.003	
MW-10D	6/9/99	108.93		5.81		103.12	<0.001	<0.001	<0.001	<0.003	
MW-10D	9/2/99	108.93		6.18		102.75	<0.001	<0.001	<0.001	<0.003	
MW-10D	10/28/99	108.93		6.18		102.75	<0.001	<0.001	<0.001	<0.003	
MW-10D	2/23/00	108.93		6.10		102.83	<0.001	<0.001	<0.001	<0.003	
MW-10D	5/24/00	108.93		5.55		103.38	<0.001	<0.001	<0.001	<0.003	
MW-10D	8/15/00	108.93		5.91		103.02	<0.001	<0.001	<0.001	<0.003	
MW-10D	11/9/00	108.93		5.80		103.13	<0.001	<0.005	<0.001	<0.003	
MW-10D	10/11/01	108.93		5.90		103.03	<0.001	<0.001	<0.001	<0.003	
MW-10D	3/14/02	108.93		5.74		103.19	<0.001	<0.001	<0.001	<0.003	
MW-10D	6/6/02	108.93		5.52		103.41	<0.001	<0.001	<0.001	<0.003	
MW-10D	8/30/02	108.93		5.85		103.08	<0.001	<0.001	<0.001	<0.003	
MW-10D	12/6/02	108.93		6.22		102.71	<0.001	<0.001	<0.001	<0.003	
MW-10D	5/6/04	108.93		6.09		102.84	<0.001	<0.001	<0.001	<0.003	
MW-10D	4/21/05	108.93		5.94		102.99	<0.001	<0.001	<0.001	<0.003	
MW-10D	4/22/05	108.93					<0.001	<0.001	<0.001	<0.003	
MW-10D	1/5/09	108.93		5.62		103.31	<0.001	<0.001	<0.001	<0.003	
MW-10D	1/6/09	108.93					<0.001	<0.001	<0.001	<0.003	
MW-10D	1/10/11	108.93		6.08		102.85	<0.001	<0.001	<0.001	<0.003	
MW-10D	4/14/11	108.93		5.83		103.10	<0.001	<0.001	<0.001	<0.003	
MW-10D	1/28/13	108.93		6.30		102.63	<0.001	<0.001	<0.001	<0.003	
MW-11S	4/1/91	85.82		5.52		80.30	0.15	<0.005	<0.005	0.011	
MW-11S	1/27/92						3.6	0.021	0.18	4.491	
MW-11S	8/24/92						0.006	0.029	0.006	0.81	
MW-11S	1/19/93						1.3	0.007	0.03	0.1	
MW-11S	6/17/93	96.99		6.01		90.98	0.14	<0.001	<0.001	<0.001	
MW-11S	11/11/93	96.99		6.80		90.19	1.35	<0.001	<0.001	<0.001	
MW-11S	6/27/94	96.99		6.84		90.15	0.785	0.0094	0.173	0.282	
MW-11S	2/16/95	96.99		6.53		90.46	1.55	0.0248	0.163	0.239	
MW-11S	7/28/95	96.99		6.42		90.57	0.954	0.0545	0.316	0.29	
MW-11S	6/17/96	96.99		4.43		92.56	<0.002	<0.002	<0.002	<0.005	
MW-11S	9/25/96	96.99		6.77		90.22	1.76	0.0443	0.519	1.22	
MW-11S	4/24/97	96.99		6.12		90.87	0.384	0.0087	0.134	2.1	
MW-11S	6/17/97	96.99		6.11		90.88	3.94	1.02	0.734	2.06	
MW-11S	8/27/97	96.99		6.58		90.41	1.79	0.586	0.657	1.2	
MW-11S	11/5/97	109.54		6.85		102.69	1	0.05	0.37	0.023	
MW-11S	2/27/98	109.54		6.58		102.96	0.19	<0.005	0.033	0.11	
MW-11S	6/10/98	109.54		6.29		103.25	0.8	0.014	0.12	<0.001	
MW-11S	10/8/98	109.54		6.49		103.05	0.91	0.03	0.4	0.76	
MW-11S	3/31/99	109.54		6.42		103.12	0.28	<0.002	0.04	0.012/<0.002	
MW-11S	6/9/99	109.54		6.40		103.14	3.7	6.7	0.73	2.77	
MW-11S	9/2/99	109.54		7.16		102.38	1.4	0.029	0.43	1.34	
MW-11S	10/28/99	109.54		6.84		102.70	0.78	0.038	0.31	0.889	
MW-11S	2/23/00	109.54		6.25		103.29	0.0028	<0.001	<0.001	<0.003	
MW-11S	5/24/00	109.54		6.05		103.49	0.018	<0.001	0.011	<0.003	
MW-11S	8/15/00	109.54		6.62		102.92	1.3	0.051	0.42	1.116	
MW-11S	11/9/00	109.54		6.35		103.19	0.37	<0.025	0.03	0.097/<0.005	
MW-11S	10/11/01	109.54		6.56		102.98	0.78	<0.021	0.44	0.95/<0.01	
MW-11S	3/14/02	109.54		5.89		103.65	0.024	<0.001	<0.001	<0.003	
MW-11S	6/6/02	109.54		5.43		104.11	0.073	0.0036	0.012	0.0077/<0.001	
MW-11S	8/30/02	109.54		6.52		103.02	1.2	0.051	0.55	0.86/<0.01	
MW-11S	12/6/02	109.54		6.88		102.66	2.1	0.045	0.67	0.26/<0.02	
MW-11S	5/6/04	109.54		6.59		102.95	0.059	<0.001	<0.001	<0.003	
MW-11S	4/21/05	109.54		6.38		103.16	0.012	<0.001	<0.001	<0.003	
MW-11S	1/6/09	109.54		5.65		103.89	<0.001	<0.001	<0.001	<0.003	
MW-11S	9/1/09	109.54		6.45		103.09	<0.001	<0.001	<0.001	<0.003	
MW-11S	1/10/11	109.54		6.63		102.91	<0.001	<0.001	<0.001	<0.003	

Table 1
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Shivam Energy, Inc.
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Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-11S	4/14/11	109.54		5.99		103.55	<0.001	<0.001	<0.001	<0.003	<0.001
MW-11S	1/28/13	109.54		6.95		102.59					
MW-11D	4/1/91	85.90		6.57		79.33	<0.005	<0.005	<0.005	<0.01	
MW-11D	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-11D	8/24/92						<0.004	<0.002	<0.002	<0.005	
MW-11D	11/11/93	97.02		6.81		90.21	<0.001	<0.001	<0.001	<0.001	
MW-11D	6/27/94	97.02		6.95		90.07	0.248	0.0028	0.0637	0.135	
MW-11D	2/16/95	97.02		6.70		90.32	0.433	0.0058	0.0407	0.0446	
MW-11D	7/28/95	97.02		6.49		90.53	0.94	0.0386	0.219	0.215	
MW-11D	3/22/96	97.02		7.07		89.95	0.424	0.0075	0.0467	0.0191	
MW-11D	6/17/96	97.02		8.12		90.90	0.0482	<0.002	<0.002	<0.005	
MW-11D	9/25/96	97.02		6.89		90.13	0.392	0.0077	0.104	0.204	
MW-11D	4/24/97	97.02		6.31		90.71	0.339	0.131	0.0807	0.184	
MW-11D	6/17/97	97.02		6.32		90.70	1.56	0.368	0.278	0.956	
MW-11D	8/27/97	97.02		7.84		89.18	0.311	0.0167	0.0837	0.224	
MW-11D	11/5/97	109.58		7.13		102.45	0.17	0.0045	0.09	0.29	
MW-11D	2/27/98	109.58		6.23		103.35	0.024	<0.001	<0.001	<0.003	
MW-11D	6/10/98	109.58		6.52		103.06	0.02	<0.001	<0.001	<0.003	
MW-11D	10/8/98	109.58		6.76		102.82	0.12	0.004	0.038	0.044	
MW-11D	3/31/99	109.58		6.90		102.68	0.0034	<0.001	<0.001	<0.003	
MW-11D	6/9/99	109.58		6.64		102.94	0.75	1.4	0.14	0.53	
MW-11D	9/2/99	109.58		7.22		102.36	0.082	0.0048	0.037	0.1225	
MW-11D	10/28/99	109.58		7.10		102.48	0.077	0.0023	0.035	0.1	
MW-11D	2/23/00	109.58		6.91		102.67	0.16	0.0012	0.0098	0.1	
MW-11D	5/24/00	109.58		6.49		103.09	0.0011	<0.001	<0.001	<0.003	
MW-11D	8/15/00	109.58		7.04		102.54	0.014	<0.001	0.0053	0.011	
MW-11D	11/9/00	109.58		6.95		102.63	0.26	<0.012	0.027	0.059	
MW-11D	10/11/01	109.58		6.83		102.75	0.017	<0.001	0.0035	<0.003	
MW-11D	3/14/02	109.58		6.42		103.16	<0.001	<0.001	<0.001	<0.003	
MW-11D	6/6/02	109.58		6.33		103.25	<0.001	<0.001	<0.001	<0.003	
MW-11D	8/30/02	109.58		6.74		102.84	0.035	<0.001	0.0012	<0.003	
MW-11D	12/6/02	109.58		7.09		102.49	0.001	<0.001	<0.001	<0.003	
MW-11D	5/6/04	109.58		6.80		102.78	0.008	<0.001	<0.001	<0.003	0.0025
MW-11D	4/21/05	109.58		6.63		102.95	<0.001	<0.001	<0.001	<0.003	<0.001
MW-11D	1/6/09	109.58		6.26		103.32	<0.001	<0.001	<0.001	<0.003	0.0017
MW-11D	9/1/09	109.58		6.47		103.11					
MW-11D	1/10/11	109.58		6.76		102.82					
MW-11D	4/14/11	109.58		6.42		103.16	<0.001	<0.001	<0.001	<0.003	<0.001
MW-11D	1/28/13	109.58		7.10		102.48					
MW-12S	4/1/91	81.23		2.21		79.02	1.8	0.14	0.11	0.4	
MW-12S	1/27/92						0.041	0.002	0.013	0.054	
MW-12S	8/24/92						0.2	0.002	0.004	0.005	
MW-12S	1/19/93						BDL	BDL	BDL	BDL	
MW-12S	6/17/93	92.64		2.60		90.04	0.003	<0.001	<0.001	<0.001	
MW-12S	11/11/93	92.64		2.45		90.19	<0.001	<0.001	<0.001	<0.001	
MW-12S	6/27/94	92.64		2.52		90.12	0.137	<0.001	<0.001	<0.003	
MW-12S	2/16/95	92.64		2.25		90.39	0.0902	<0.002	<0.002	<0.005	
MW-12S	7/28/95	92.64		2.10		90.54	0.0137	<0.002	<0.002	<0.005	
MW-12S	3/22/96	92.64		2.62		90.02	<0.002	<0.002	<0.002	<0.005	
MW-12S	6/17/96	92.64		1.50		91.14	<0.002	<0.002	<0.002	<0.005	
MW-12S	9/25/96	92.64		2.36		90.28	<0.002	<0.002	<0.002	<0.005	
MW-12S	4/24/97	92.64		1.89		90.75	<0.002	<0.002	<0.002	<0.005	
MW-12S	6/17/97	92.64		1.76		90.88	<0.002	<0.002	<0.002	<0.005	
MW-12S	8/27/97	92.64		2.24		90.40	<0.002	<0.002	<0.002	<0.005	
MW-12S	11/5/97	105.19		2.50		102.69	0.0026	<0.001	<0.001	<0.003	
MW-12S	2/27/98	105.19		2.56		102.63	<0.001	<0.001	<0.001	<0.003	
MW-12S	6/10/98	105.19		1.90		103.29	<0.001	<0.001	<0.001	<0.003	
MW-12S	10/8/98	105.19		2.17		103.02	<0.001	<0.001	<0.001	<0.003	
MW-12S	3/31/99	105.19		2.29		102.90	<0.001	<0.001	<0.001	<0.003	
MW-12S	6/9/99	105.19		2.13		103.06	0.07	<0.001	<0.001	<0.003	
MW-12S	9/2/99	105.19		3.75		101.44	<0.001	<0.001	<0.001	<0.002	
MW-12S	10/28/99	105.19		2.58		102.61	0.16	0.0045	0.0043	0.005	
MW-12S	2/23/00	105.19		2.33		102.86	0.054	0.0021	0.011	0.012	
MW-12S	5/24/00	105.19		1.92		103.27	0.13	0.0034	0.015	0.017	
MW-12S	8/15/00	105.19		2.23		102.96	0.24	0.016	0.053	0.059	
MW-12S	11/9/00	105.19		2.15		103.04	0.27	0.037	0.12	0.2133	
MW-12S	10/11/01	105.19		2.32		102.87	0.11	0.013	0.12	0.1224	
MW-12S	3/14/02	105.19		1.98		103.21	0.18	0.0075	0.041	0.121	
MW-12S	6/6/02	105.19		1.80		103.39	0.18	0.023	0.042	0.0061	
MW-12S	8/30/02	105.19		2.20		102.99	0.2	0.027	0.077	0.1817	

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-12S	12/6/02	105.19		2.58		102.61	0.051	0.006	0.017	0.079	0.0012
MW-12S	5/6/04	105.19		2.40		102.79	0.043	0.0035	<0.001	0.022	0.0021
MW-12S	4/21/05	105.19		2.20		102.99	0.027	0.0014	<0.001	0.0097	
MW-12S	12/29/08	105.19		1.00		104.19					
MW-12S	1/5/09	105.19		1.84		103.35					
MW-12S	1/6/09	105.19					<0.001	<0.001	<0.001	<0.003	<0.001
MW-12S	9/1/09	105.19		2.16		103.03					
MW-12S	4/14/11	105.19		2.01		103.18	<0.001	<0.001	<0.001	<0.003	<0.001
MW-12S	1/28/13	105.19		2.88		102.51					
MW-12D	4/1/91	81.36		2.21		79.15	0.074	<0.005	<0.005	<0.01	
MW-12D	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-12D	8/24/92						<0.002	<0.002	<0.002	<0.005	
MW-12D	11/11/93	92.79		2.57		90.22	<0.001	<0.001	<0.001	<0.001	
MW-12D	6/27/94	92.79		3.38		89.41	<0.001	<0.001	<0.001	<0.003	
MW-12D	2/16/95	92.79		2.85		89.94	<0.002	<0.002	<0.002	<0.005	
MW-12D	7/28/95	92.79		2.60		90.19	<0.002	<0.002	<0.002	<0.005	
MW-12D	3/22/96	92.79		3.15		89.64	<0.002	<0.002	<0.002	<0.005	
MW-12D	6/17/96	92.79		2.08		90.71	<0.002	<0.002	<0.002	<0.005	
MW-12D	9/25/96	92.79		2.93		89.86	<0.002	<0.002	<0.002	<0.005	
MW-12D	4/24/97	92.79		2.30		90.49	<0.002	<0.002	<0.002	<0.005	
MW-12D	6/17/97	92.79		2.29		90.50	<0.002	<0.002	<0.002	<0.005	
MW-12D	8/27/97	92.79		2.75		90.04	<0.002	<0.002	<0.002	<0.005	
MW-12D	11/5/97	105.34		3.13		102.21	<0.001	<0.001	<0.001	<0.003	
MW-12D	2/27/98	105.34		1.97		103.37	<0.001	<0.001	<0.001	<0.003	
MW-12D	6/10/98	105.34		2.47		102.87	<0.001	<0.001	<0.001	<0.003	
MW-12D	10/8/98	105.34		2.86		102.48	<0.001	<0.001	<0.001	<0.003	
MW-12D	3/31/99	105.34		2.77		102.57	<0.001	<0.001	<0.001	<0.003	
MW-12D	6/9/99	105.34		2.68		102.66	<0.001	<0.001	<0.001	<0.003	
MW-12D	9/2/99	105.34		3.31		102.03	<0.001	<0.001	<0.001	<0.002	
MW-12D	10/28/99	105.34		3.20		102.14	<0.001	<0.001	<0.001	<0.002	
MW-12D	2/23/00	105.34		3.00		102.34	<0.001	<0.001	<0.001	<0.003	
MW-12D	5/24/00	105.34		2.49		102.85	<0.001	<0.001	<0.001	<0.003	
MW-12D	8/15/00	105.34		2.82		102.52	<0.001	<0.001	<0.001	<0.003	
MW-12D	11/9/00	105.34		2.75		102.59	<0.001	<0.001	<0.001	<0.003	
MW-12D	10/11/01	105.34		2.82		102.52	<0.001	<0.001	<0.001	<0.003	
MW-12D	3/14/02	105.34		2.50		102.84	<0.001	<0.001	<0.001	<0.003	
MW-12D	6/6/02	105.34		2.34		103.00	<0.001	<0.001	<0.001	<0.003	
MW-12D	8/30/02	105.34		2.81		102.53	<0.001	<0.001	<0.001	<0.003	
MW-12D	12/6/02	105.34		3.20		102.14	<0.001	<0.001	<0.001	<0.003	<0.001
MW-12D	5/6/04	105.34		2.96		102.38	<0.001	<0.001	<0.001	<0.003	<0.001
MW-12D	4/21/05	105.34		3.73		101.61	<0.001	<0.001	<0.001	<0.003	<0.001
MW-12D	1/5/09	105.34		2.31		103.03					
MW-12D	1/6/09	105.34					<0.001	<0.001	<0.001	<0.003	<0.001
MW-12D	9/1/09	105.34		2.58		102.76					
MW-12D	4/14/11	105.34		2.47		102.87	<0.001	<0.001	<0.001	<0.003	<0.001
MW-12D	1/28/13	105.34		3.35		101.99					
MW-13	4/1/91	85.19		5.24		79.95	2.6	0.3	0.19	0.56	
MW-13	2/19/92						1.9	0.01	0.14	0.72	
MW-13	8/24/92						14	2.1	0.85	13	
MW-13	1/19/93						0.009	BDL	BDL	0.005	
MW-13	6/17/93	96.50		6.00		90.50	<0.001	<0.001	<0.001	<0.001	
MW-13	11/11/93	96.50		6.28		90.22	0.81	0.054	0.346	4.56	
MW-13	6/27/94	96.50		6.29		90.21	0.142	0.0037	0.119	0.413	
MW-13	2/16/95	96.50		6.20		90.30	0.0475	<0.002	0.0202	0.129	
MW-13	7/28/95	96.50		6.01		90.49	0.41	0.0051	0.56	2.548	
MW-13	3/22/96	96.50		6.53		89.97	0.212	0.0092	0.0901	0.973	
MW-13	6/17/96	96.50		3.78		92.72	<0.002	<0.002	<0.002	<0.005	
MW-13	9/25/96	96.50		6.29		90.21	0.109	0.0261	0.911	9.6	
MW-13	4/24/97	96.50		5.80		90.70	<0.002	<0.002	<0.002	<0.005	
MW-13	6/17/97	96.50		5.59		90.91	0.0195	<0.002	0.0201	0.107	
MW-13	8/27/97	96.50		6.17		90.33	1.4	0.38	0.361	3.65	
MW-13	11/5/97	109.12		6.38		102.74	0.16	<0.025	0.67	5.8	
MW-13	2/27/98	109.12		5.51		103.61	<0.001	<0.001	<0.001	<0.003	
MW-13	6/10/98	109.12		5.78		103.34	0.38	<0.025	0.67	3.4	
MW-13	10/8/98	109.12		6.02		103.10	<0.025	<0.025	0.28	3.5	
MW-13	3/31/99	109.12		6.17		102.95	0.027	<0.0025	0.11	0.81	
MW-13	6/9/99	109.12		6.07		103.05	0.008	0.013	0.13	0.903.3	
MW-13	9/2/99	109.12		6.64		102.48	0.23	<0.025	0.12	0.72	
MW-13	10/28/99	109.12		6.45		102.67	0.2	<0.01	0.11	0.718	
MW-13	2/23/00	109.12		5.50		103.62					

Table 1
Groundwater Elevations and Analytical Results

Shlvam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
CGGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-13	5/24/00	109.12		5.91		103.21	0.0073	<0.001	0.0019	0.021	
MW-13	8/15/00	109.12		6.24		102.88	0.038	<0.005	0.3	0.5453	
MW-13	11/9/00	109.12		6.08		103.04	<0.001	<0.005	0.0014	<0.003	
MW-13	10/11/01	109.12		6.21		102.91	0.05	0.0023	0.069	0.0122	
MW-13	3/14/02	109.12		5.89		103.23	<0.001	<0.001	<0.001	<0.003	
MW-13	6/6/02	109.12		5.06		104.06	0.0077	<0.001	0.009	<0.003	
MW-13	8/30/02	109.12		6.15		102.97	0.013	0.0018	0.03	0.0024	
MW-13	12/6/02	109.12		6.53		102.59	0.044	<0.01	0.085	<0.03	
MW-13	5/6/04	109.12		6.37		102.75	0.0039	<0.001	0.013	<0.003	<0.001
MW-13	4/21/05	109.12		6.27		102.85					
MW-13	4/22/05	109.12					0.0077	<0.001	0.039	0.013	<0.001
MW-13	12/29/08	109.12		5.00		104.12					
MW-13	1/5/09	109.12		5.88		103.24					
MW-13	1/6/09	109.12					<0.001	<0.001	<0.001	<0.003	<0.001
MW-13	4/14/11	109.12		6.18		102.94	0.0345	<0.001	<0.001	<0.003	<0.001
MW-13	1/28/13	109.12		6.49		102.63					
MW-14	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-14	8/24/92						<0.002	<0.002	<0.002	<0.005	
MW-14	1/19/93						BDL	BDL	BDL	BDL	
MW-14	6/17/93	89.62		0.00		89.62	<0.001	<0.001	<0.001	<0.001	
MW-14	11/11/93	89.62		0.00		89.62	<0.001	<0.001	<0.001	<0.001	
MW-14	6/27/94	89.62		0.00		89.62	<0.001	<0.001	<0.001	<0.003	
MW-14	2/16/95	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	7/28/95	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	6/17/96	89.62		0.03		89.59	<0.002	<0.002	<0.002	<0.005	
MW-14	9/25/96	89.62		0.05		89.57	<0.002	<0.002	<0.002	<0.005	
MW-14	4/24/97	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	6/17/97	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	8/27/97	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	11/5/97	99.46		0.79		98.67	<0.001	<0.001	<0.001	<0.003	
MW-14	2/27/98	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	6/10/98	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	10/8/98	99.46		0.09		99.37	<0.001	<0.001	<0.001	<0.003	
MW-14	3/31/99	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	6/9/99	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	9/2/99	99.46		0.19		99.27	<0.001	<0.001	<0.001	<0.003	
MW-14	10/28/99	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	2/23/00	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	5/24/00			0.00			<0.001	<0.001	<0.001	<0.003	
MW-14	8/15/00			0.00			<0.001	<0.001	<0.001	<0.003	
MW-14	11/9/00			0.00			<0.001	<0.001	<0.001	<0.003	
MW-14	10/11/01	99.16		0.02		99.14	<0.001	<0.001	<0.001	<0.003	
MW-14	3/14/02	99.16		0.02		99.14	<0.001	<0.001	<0.001	<0.003	
MW-14	6/6/02	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	
MW-14	8/30/02	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	
MW-14	12/6/02	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	
MW-14	5/6/04	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	<0.001
MW-14	4/21/05	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	<0.001
MW-14	4/22/05	99.16									
MW-14	1/5/09	99.16		0.30		98.86					
MW-14	1/6/09	99.16					<0.001	<0.001	<0.001	<0.003	<0.001
MW-14	4/14/11	99.16		0.24		98.92	<0.001	<0.001	<0.001	<0.003	<0.001
MW-15	1/27/92						0.03	<0.002	<0.002	<0.005	
MW-15	8/24/92						0.24	BDL	BDL	BDL	
MW-15	1/19/93						0.85	<0.001	<0.001	<0.001	
MW-15	6/17/93	88.40		0.00		88.40	1.03	<0.001	<0.001	<0.001	
MW-15	11/11/93	88.40		0.56		87.84	2.04	<0.001	<0.001	<0.003	
MW-15	6/27/94	88.40		0.60		87.90	1.82	<0.002	<0.002	<0.005	
MW-15	2/16/95	88.40		0.85		87.55	3.55	<0.002	<0.002	<0.005	
MW-15	7/28/95	88.40		0.20		88.20	10.5	<0.002	<0.002	<0.005	
MW-15	3/22/96	88.40		0.74		87.66	9.75	<0.002	<0.002	<0.005	
MW-15	6/17/96	88.40		0.00		88.40	7.6	<0.002	<0.002	<0.005	
MW-15	9/25/96	88.40		0.75		87.65	10.7	0.0084	<0.002	<0.005	
MW-15	4/24/97	88.40		0.16		88.24	9.59	0.0381	<0.005	<0.005	
MW-15	6/17/97	88.40		0.00		88.40	8.32	<0.05	<0.05	<0.125	
MW-15	8/27/97	88.40		0.40		88.00	8.2	<0.05	<0.05	<0.15	
MW-15	11/5/97	100.25		0.68		99.57	7.4	<0.1	<0.1	<0.3	
MW-15	2/27/98	100.25		0.22		100.03	6.9	<0.1	<0.1	<0.3	
MW-15	6/10/98	100.25		0.18		100.07	5.4	<0.05	<0.05	<0.15	
MW-15	10/8/98	100.25		0.43		99.82					

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-15	3/31/99	100.25		1.30		98.95	4.6	<0.025	<0.025	<0.075	
MW-15	6/9/99	100.25		1.20		99.05	4.2	0.032	<0.025	<0.075	
MW-15	9/2/99	100.25		1.55		98.70	2.9	0.036	0.034	0.079	
MW-15	10/28/99	100.25		1.44		98.81	2.5	0.049	0.078	0.165	
MW-15	2/23/00	100.25		0.90		99.35	1.2	0.045	0.091	0.2	
MW-15	5/24/00	100.25		0.71		99.54	0.97	0.034	0.11	0.255	
MW-15	8/15/00	100.25		0.88		99.39	0.58	0.024	0.12	0.264	
MW-15	11/9/00	100.25		0.75		99.50	0.13	0.0074	0.027	0.055	
MW-15	10/11/01	100.25		0.84		99.41	0.2	0.012	0.062	0.1125	
MW-15	3/14/02	100.25		0.62		99.63	0.21	0.011	0.055	0.0993	
MW-15	6/6/02	100.25		0.47		99.78	0.17	0.0055	0.033	0.0688	
MW-15	8/30/02	100.25		0.83		99.42	0.22	0.0073	0.04	0.0628	
MW-15	12/6/02	100.25		1.11		99.14	0.24	0.0062	0.031	0.0394	
MW-15	5/6/04	100.25		0.95		99.30	0.12	0.004	0.0023	0.0063	<0.001
MW-15	4/21/05	100.25		0.79		99.46					
MW-15	4/22/05	100.25					0.076	0.0024	<0.001	0.0045	<0.001
MW-15	1/5/09	100.25		0.40		99.85					
MW-15	1/6/09	100.25					0.0739	0.004	<0.001	0.0135	0.004
MW-15	4/14/11	100.25		0.43		99.82	0.411	0.0121	<0.001	0.0284	0.0023
MW-16	1/27/92						<0.002	<0.002	<0.002	<0.005	
MW-16	8/24/92						BDL	BDL	BDL	BDL	
MW-16	1/19/93					89.59	<0.001	<0.001	<0.001	<0.001	
MW-16	6/17/93	91.82		2.23		89.35	<0.001	<0.001	<0.001	<0.001	
MW-16	11/11/93	91.82		2.47		89.23	<0.001	<0.001	<0.001	<0.003	
MW-16	6/27/94	91.82		2.59		89.22	0.0103	<0.002	<0.002	<0.005	
MW-16	2/16/95	91.82		2.60		89.38	0.182	<0.002	<0.002	<0.005	
MW-16	7/28/95	91.82		2.44		88.68	1.83	<0.002	<0.002	<0.005	
MW-16	3/22/96	91.82		3.14		90.19	2.08	<0.002	<0.002	<0.005	
MW-16	6/17/96	91.82		1.63		89.44	2.19	<0.002	<0.002	<0.005	
MW-16	9/25/96	91.82		2.38		83.87	3.53	<0.002	<0.002	<0.005	
MW-16	4/24/97	91.82		7.95		87.33	3.6	<0.002	<0.002	<0.005	
MW-16	6/17/97	91.82		4.49		86.31	4.17	0.219	<0.05	0.197	
MW-16	8/27/97	91.82		5.51		93.97	3.9	<0.025	<0.025	<0.075	
MW-16	11/5/97	101.72		7.75		95.44	4.2	<0.050	<0.05	<0.15	
MW-16	2/27/98	101.72		6.28		99.36	3.3	<0.050	<0.05	<0.15	
MW-16	6/10/98	101.72		2.36		99.17	5.1	<0.025	<0.025	<0.075	
MW-16	10/8/98	101.72		2.55		98.25	4	<0.025	<0.025	<0.075	
MW-16	3/31/99	101.72		3.47		98.42	4.6	<0.050	<0.05	<0.15	
MW-16	6/9/99	101.72		3.30		97.97	4.4	<0.050	<0.05	<0.1	
MW-16	9/2/99	101.72		3.75		98.22	4.4	<0.020	<0.02	<0.04	
MW-16	10/28/99	101.72		3.50		98.67	3.3	<0.025	<0.025	<0.075	
MW-16	2/23/00	101.72		3.05		98.81	2.6	<0.025	<0.025	<0.050	
MW-16	6/24/00	101.72		2.91		98.65	1.7	<0.010	<0.01	<0.03	
MW-16	8/15/00	101.72		3.07		98.61	1.5	<0.050	<0.01	<0.03	
MW-16	11/9/00	101.72		3.11		98.66	0.35	<0.050	<0.0025	<0.0075	
MW-16	10/11/01	101.72		3.06		98.97	0.017	<0.001	<0.001	<0.003	
MW-16	3/14/02	101.72		2.75		99.07	0.2	<0.002	<0.002	<0.006	
MW-16	6/6/02	101.72		2.65		98.75	0.13	<0.001	<0.001	<0.003	
MW-16	8/30/02	101.72		2.97		98.51	0.12	<0.001	<0.001	<0.003	
MW-16	12/6/02	101.72		3.21		98.65	0.049	<0.001	<0.001	<0.003	0.0034
MW-16	5/6/04	101.72		3.07		98.77					
MW-16	4/21/05	101.72		2.95			0.045	<0.001	<0.001	<0.003	0.0032
MW-16	4/22/05	101.72									
MW-16	1/5/09	101.72		2.58		99.14					
MW-16	1/6/09	101.72					0.0191	<0.001	<0.001	<0.003	<0.001
MW-16	4/14/11	101.72					0.006	<0.001	<0.001	<0.003	0.0034
MW-17	11/5/97	100.91		2.62		99.10					
MW-17	2/27/98	100.91		1.63		98.86	<0.001	<0.001	<0.001	<0.003	
MW-17	6/10/98	100.91		1.58		99.28	<0.001	<0.001	<0.001	<0.003	
MW-17	10/8/98	100.91		1.87		99.33	<0.001	<0.001	<0.001	<0.003	
MW-17	3/31/99	100.91		2.29		99.04	<0.001	<0.001	<0.001	<0.003	
MW-17	6/9/99	100.91		2.15		98.62	<0.001	<0.001	<0.001	<0.003	
MW-17	9/2/99	100.91		2.85		98.76	<0.001	<0.001	<0.001	<0.002	
MW-17	10/28/99	100.91		2.54		98.26	<0.001	<0.001	<0.001	<0.002	
MW-17	2/23/00	100.91		2.04		98.37	<0.001	<0.001	<0.001	<0.002	
MW-17	5/24/00	100.91		1.81		98.87	<0.001	<0.001	<0.001	<0.002	
MW-17	8/15/00	100.91		2.07		99.10	<0.001	<0.001	<0.001	<0.002	
MW-17	11/9/00	100.91		1.98		98.84	<0.001	<0.001	<0.001	<0.003	
MW-17	10/11/01	100.91		2.14		98.93	<0.001	<0.005	<0.001	<0.003	
MW-17	3/14/02	100.91		1.81		98.77	<0.001	<0.001	<0.001	<0.003	

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-17	6/6/02	100.91		1.59		99.32	0.0024	<0.001	<0.001	<0.003	
MW-17	8/30/02	100.91		2.01		98.90	<0.001	<0.001	<0.001	<0.003	
MW-17	12/6/02	100.91		2.34		98.57	<0.001	<0.001	<0.001	<0.003	0.053
MW-17	5/6/04	100.91		2.13		98.78	0.0011	<0.001	<0.001	<0.003	
MW-17	4/21/05	100.91		1.99		98.92					0.057
MW-17	4/22/05	100.91					0.0041	<0.001	<0.001	<0.003	
MW-17	1/5/09	100.91		1.48		99.43					0.0128
MW-17	1/6/09	100.91					<0.001	<0.001	<0.001	<0.003	0.0149
MW-17	4/14/11	100.91					<0.001	<0.001	<0.001	<0.003	
MW-18	11/5/97	99.19		5.32		93.87	<0.001	<0.001	<0.001	<0.003	
MW-18	2/27/98	99.19		2.63		96.56	<0.001	<0.001	<0.001	<0.003	
MW-18	6/10/98	99.19		2.85		96.34	<0.001	<0.001	<0.001	<0.003	
MW-18	10/8/98	99.19		6.37		92.82	<0.001	<0.001	<0.001	<0.003	
MW-18	3/31/99	99.19		2.81		96.38	<0.001	<0.001	<0.001	<0.003	
MW-18	6/9/99	99.19		2.46		96.73	<0.001	<0.001	<0.001	<0.003	
MW-18	9/2/99	99.19		4.73		94.46	<0.001	<0.001	<0.001	<0.003	
MW-18	10/28/99	99.19		3.95		95.24	<0.001	<0.001	<0.001	<0.003	
MW-18	2/23/00	99.19		3.25		95.94	<0.001	<0.001	<0.001	<0.003	
MW-18	5/24/00	99.19		2.34		96.85	<0.001	<0.001	<0.001	<0.003	
MW-18	8/15/00	99.19		2.98		96.21	<0.001	<0.001	<0.001	<0.003	
MW-18	11/9/00	99.19		3.35		95.84	<0.001	<0.005	<0.001	<0.003	
MW-18	10/11/01	99.19		3.42		95.77	<0.001	<0.001	<0.001	<0.003	
MW-18	3/14/02	99.19		2.40		96.79	<0.001	<0.001	<0.001	<0.003	
MW-18	6/6/02	99.19		2.33		96.86	<0.001	<0.001	<0.001	<0.003	
MW-18	8/30/02	99.19		3.50		95.69	<0.001	<0.001	<0.001	<0.003	
MW-18	12/6/02	99.19		3.54		95.65	<0.001	<0.001	<0.001	<0.003	<0.001
MW-18	5/6/04	99.19		2.83		96.36	<0.001	<0.001	<0.001	<0.003	<0.001
MW-18	4/21/05	99.19		2.73		96.46					<0.001
MW-18	4/22/05	99.19					<0.001	<0.001	<0.001	<0.003	<0.001
MW-18	1/5/09	99.19		2.34		96.85					<0.001
MW-18	1/6/09	99.19					<0.001	<0.001	<0.001	<0.003	<0.001
MW-18	4/14/11	99.19		2.53		96.66	<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	10/19/01	100.62		5.42		95.20	<0.001	<0.001	<0.001	<0.003	
MW-19	3/14/02	100.62		3.70		96.92	<0.001	<0.001	<0.001	<0.003	
MW-19	6/6/02	100.62		2.90		97.72	<0.001	<0.001	<0.001	<0.003	
MW-19	8/30/02	100.62		4.85		95.77	<0.001	<0.001	<0.001	<0.003	
MW-19	12/6/02	100.62		5.71		94.91	<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	5/3/04	100.62		4.10		96.52	<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	4/21/05	100.62		3.77		96.85					<0.001
MW-19	4/22/05	100.62					<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	1/5/09	100.62		3.33		97.29					<0.001
MW-19	1/6/09	100.62					<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	4/14/11	100.62		3.00		97.62	<0.001	<0.001	<0.001	<0.003	<0.001
MW-21	4/21/05	102.43		8.79		93.64					<0.001
MW-21	4/22/05	102.43					<0.001	<0.001	<0.001	<0.003	<0.001
MW-21	1/5/09	102.43		6.12		96.31					<0.001
MW-21	1/6/09	102.43					<0.001	<0.001	<0.001	<0.003	<0.001
MW-21	4/14/11	102.43		6.01		96.42	<0.001	<0.001	<0.001	<0.003	<0.001
MW-22	4/21/05	107.15		4.62		102.53					<0.001
MW-22	4/22/05	107.15					<0.001	<0.001	<0.001	<0.003	<0.001
MW-22	1/6/09	107.15		4.34		102.81	<0.001	<0.001	<0.001	<0.003	<0.001
MW-22	4/14/11	107.15		4.51		102.84	<0.001	<0.001	<0.001	<0.003	<0.001
MW-23	4/21/05	104.89		6.90		97.99					<0.001
MW-23	4/22/05	104.89					<0.001	<0.001	<0.001	<0.003	<0.001
MW-23	1/5/09	104.89					<0.001	<0.001	<0.001	<0.003	<0.001
MW-23	1/6/09	104.89					<0.001	<0.001	<0.001	<0.003	<0.001
MW-23	4/14/11	104.89		6.83		98.06	<0.001	<0.001	<0.001	<0.003	<0.001
MW-24	4/21/05	105.54		4.35		101.19	<0.001	<0.001	<0.001	<0.003	<0.001
MW-24	4/14/11	105.54		4.84		100.70	<0.001	<0.001	<0.001	<0.003	<0.001
MW-25	5/24/05	107.74		4.31		103.43	<0.001	<0.001	<0.001	<0.003	<0.001
MW-25	9/1/09	107.74		4.33		103.41					<0.001
MW-25	4/14/11	107.74		4.10		103.64	<0.001	<0.001	<0.001	<0.003	<0.001
MW-25	12/6/12	107.74		5.21		102.53					
MW-25	12/10/12	107.74		8.25		99.49					
MW-25	12/14/12	107.74		5.22		102.52					
MW-25	12/18/12	107.74		5.27		102.47					
MW-25	12/27/12	107.74		5.24		102.50					
MW-25	1/7/13	107.74		5.20		102.54					
MW-25	1/28/13	107.74		5.19		102.55					
MW-25	2/11/13	107.74		5.15		102.59					

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399 West Liberty Street
Wauconda, Lake County, Illinois 60084.

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGC/IER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-25	3/25/13	107.74		4.28		103.46					
MW-25	4/4/13	107.74		5.35		102.39					
MW-25	4/8/13	107.74		5.15		102.59					
MW-25	4/15/13	107.74		4.11		103.63					
MW-25	4/22/13	107.74		3.95		103.79					
MW-25	5/8/13	107.74		4.16		103.58					
MW-25	5/23/13	107.74		4.28		103.46					
MW-25	7/3/13	107.74		4.30		103.44					
MW-26	4/21/05	111.38		7.48		103.90					
MW-26	4/22/05	111.38									
MW-26	12/29/08	111.38		6.00		105.38					
MW-26	12/31/08	111.38		6.94		104.44					
MW-26	1/5/09	111.38		7.23		104.15					
MW-26	1/6/09	111.38									
MW-26	3/13/09	111.38		6.83		104.55					
MW-26	4/1/09	111.38		6.72		104.66					
MW-26	5/19/09	111.38		7.32		104.06					
MW-26	7/16/09	111.38	7.62	7.66	0.04	103.75					
MW-26	7/27/09	111.38	7.59	7.94	0.35	103.71					
MW-26	8/11/09	111.38	7.58	8.19	0.61	103.67					
MW-26	8/18/09	111.38	7.59	8.25	0.66	103.64					
MW-26	8/25/09	111.38	7.58	8.23	0.65	103.66					
MW-26	9/1/09	111.38	7.53	7.58	0.05	103.84					
MW-26	9/10/09	111.38	7.71	7.78	0.07	103.65					
MW-26	9/17/09	111.38	7.78	7.80	0.02	103.60					
MW-26	9/24/09	111.38	7.73	7.89	0.16	103.61					
MW-26	10/1/09	111.38		7.75		103.63					
MW-26	10/7/09	111.38	7.57	7.98	0.41	103.72					
MW-26	10/23/09	111.38		7.32		104.06					
MW-26	10/28/09	111.38		7.41		103.97					
MW-26	11/9/09	111.38	7.58	7.59	0.01	103.80					
MW-26	11/24/09	111.38	7.71	7.72	0.01	103.67					
MW-26	12/3/09	111.38	7.59	7.63	0.04	103.78					
MW-26	12/8/09	111.38	7.64	7.69	0.05	103.73					
MW-26	12/17/09	111.38	7.55	7.63	0.08	103.81					
MW-26	12/22/09	111.38	7.62	7.81	0.19	103.72					
MW-26	12/28/09	111.38		7.20		104.18					
MW-26	1/6/10	111.38		7.55		103.83					
MW-26	1/19/10	111.38		7.68		103.70					
MW-26	1/25/10	111.38		7.15		104.23					
MW-26	2/2/10	111.38		7.53		103.85					
MW-26	2/8/10	111.38		7.62		103.76					
MW-26	3/18/10	111.38		7.21		104.17					
MW-26	3/24/10	111.38		7.28		104.10					
MW-26	3/29/10	111.38		7.42		103.96					
MW-26	4/21/10	111.38		7.50		103.88					
MW-26	4/27/10	111.38		7.50		103.68					
MW-26	5/4/10	111.38		7.49		103.89					
MW-26	5/10/10	111.38		7.47		103.91					
MW-26	5/19/10	111.38		7.27		104.11					
MW-26	5/25/10	111.38		7.43		103.95					
MW-26	6/2/10	111.38		7.39		103.99					
MW-26	6/8/10	111.38		7.33		104.05					
MW-26	6/16/10	111.38		7.43		103.95					
MW-26	6/22/10	111.38		7.43		103.95					
MW-26	6/30/10	111.38		7.40		103.98					
MW-26	7/6/10	111.38		7.57		103.81					
MW-26	7/13/10	111.38	7.53	7.54	0.01	103.85					
MW-26	7/20/10	111.38		7.85		103.73					
MW-26	7/27/10	111.38	7.39	7.40	0.01	103.99					
MW-26	8/18/10	111.38		7.47		103.91					
MW-26	8/24/10	111.38	7.53	7.54	0.01	103.85					
MW-26	8/31/10	111.38		7.60		103.78					
MW-26	9/21/10	111.38	7.65	7.68	0.02	103.72					
MW-26	9/30/10	111.38	7.71	7.73	0.02	103.67					
MW-26	10/12/10	111.38	7.78	8.04	0.26	103.54					
MW-26	11/3/10	111.38	7.73	8.08	0.35	103.57					
MW-26	11/15/10	111.38	7.78	8.11	0.33	103.53					
MW-26	12/2/10	111.38	7.73	8.34	0.61	103.52					
MW-26	12/10/10	111.38	7.75	8.21	0.46	103.53					

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-26	12/22/10	111.38	7.81	8.58	0.77	103.40					
MW-26	12/27/10	111.38	7.82	8.63	0.81	103.38					
MW-26	12/29/10	111.38	8.11	8.59	0.48	103.16					
MW-26	1/5/11	111.38	7.87	8.14	0.27	103.45					
MW-26	5-Jan-11 ^A	111.38		8.02		103.36					
MW-26	1/13/11	111.38	8.04	8.06	0.02	103.34					
MW-26	13-Jan-11 ^A	111.38		8.17		103.21					
MW-26	1/17/11	111.38	7.99	8.43	0.44	103.29					
MW-26	1/28/11	111.38	7.98	8.76	0.78	103.23					
MW-26	28-Jan-11 ^A	111.38		8.48		102.90					
MW-26	2/7/11	111.38		8.05		103.33					
MW-26	3/2/11	111.38		7.52		103.86					
MW-26	3/7/11	111.38		7.50		103.88					
MW-26	3/14/11	111.38		7.45		103.93					
MW-26	3/21/11	111.38		7.10		104.28					
MW-26	3/28/11	111.38		7.39		103.99					
MW-26	4/5/11	111.38		7.52		103.86					
MW-26	4/12/11	111.38	7.42	7.43	0.01	103.95	0.002	0.013	0.0094	0.0581	<0.001
MW-26	4/14/11	111.38		7.52		103.86					
MW-26	4/19/11	111.38		7.15		104.23					
MW-26	4/26/11	111.38		6.93		104.45					
MW-26	5/5/11	111.38		7.38		104.00					
MW-26	5/11/11	111.38		7.54		103.84					
MW-26	5/17/11	111.38		7.55		103.83					
MW-26	5/23/11	111.38		7.20		104.18					
MW-26	6/2/11	111.38		7.30		104.08					
MW-26	6/27/11	111.38		7.58		103.80					
MW-26	7/6/11	111.38		7.72		103.66					
MW-26	7/18/11	111.38		7.83		103.55					
MW-26	7/26/11	111.38		7.52		103.86					
MW-26	8/2/11	111.38		7.51		103.87					
MW-26	8/9/11	111.38		7.44		103.94					
MW-26	8/15/11	111.38		7.58		103.80					
MW-26	8/22/11	111.38		7.50		103.86					
MW-26	8/29/11	111.38		7.63		103.75					
MW-26	9/7/11	111.38		7.75		103.63					
MW-26	9/13/11	111.38		7.83		103.55					
MW-26	9/13/11	111.38		7.77		103.61					
MW-26	9/20/11	111.38		7.50		103.88					
MW-26	9/27/11	111.38		7.64		103.74					
MW-26	10/3/11	111.38		7.82		103.56					
MW-26	10/11/11	111.38		7.75		103.63					
MW-26	10/18/11	111.38		7.67		103.71					
MW-26	10/25/11	111.38		7.63		103.75					
MW-26	11/4/11	111.38		7.36		104.02					
MW-26	11/10/11	111.38		7.56		103.82					
MW-26	11/21/11	111.38		7.58		103.80					
MW-26	11/30/11	111.38		7.46		103.92					
MW-26	12/6/11	111.38		7.63		103.75					
MW-26	12/12/11	111.38		7.53		103.85					
MW-26	12/19/11	111.38		7.45		103.93					
MW-26	12/29/11	111.38		7.45		103.93					
MW-26	1/9/12	111.38		7.66		103.72					
MW-26	1/23/12	111.38		7.57		103.81					
MW-26	1/31/12	111.38		7.54		103.84					
MW-26	2/6/12	111.38		7.55		103.83					
MW-26	2/13/12	111.38		7.68		103.70					
MW-26	2/21/12	111.38		7.67		103.71					
MW-26	2/28/12	111.38		7.48		103.90					
MW-26	3/9/12	111.38		7.64		103.74					
MW-26	3/23/12	111.38		7.55		103.83					
MW-26	3/27/12	111.38		7.53		103.85					
MW-26	4/5/12	111.38		7.67		103.71					
MW-26	4/10/12	111.38		7.73		103.65					
MW-26	4/16/12	111.38		7.33		104.05					
MW-26	4/24/12	111.38		7.55		103.83					
MW-26	5/4/12	111.38		7.51		103.87					
MW-26	5/10/12	111.38		7.45		103.93					
MW-26	5/16/12	111.38		7.62		103.76					
MW-26	5/25/12	111.38		7.65		103.73					
MW-26	5/29/12	111.38		7.73		103.65					

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-26	6/8/12	111.38		7.68		103.70					
MW-26	6/19/12	111.38		7.82		103.56					
MW-26	6/29/12	111.38		7.95		103.43					
MW-26	7/3/12	111.38		7.98		103.40					
MW-26	7/11/12	111.38		8.08		103.30					
MW-26	7/16/12	111.38		7.60		103.58					
MW-26	8/1/12	111.38		7.91		103.47					
MW-26	8/10/12	111.38		7.93		103.45					
MW-26	9/7/12	111.38		8.00		103.38					
MW-26	9/13/12	111.38		8.04		103.34					
MW-26	10/3/12	111.38		8.14		103.24					
MW-26	11/27/12	111.38	8.21	9.19	0.98	102.95					
MW-26	12/3/12	111.38	8.23	9.31	1.08	102.91					
MW-26	12/6/12	111.38	8.29	9.27	0.98	102.87					
MW-26	6-Dec-12 ^A	111.38		8.51		102.87					
MW-26	12/10/12	111.38	8.22	9.02	0.80	102.98					
MW-26	10-Dec-12 ^A	111.38		8.62		102.76					
MW-26	12/14/12	111.38	8.44	9.47	1.03	102.71					
MW-26	14-Dec-12 ^A	111.38		8.52		102.86					
MW-26	12/18/12	111.38	8.30	8.42	0.12	103.05					
MW-26	12/27/12	111.38		8.17		103.21					
MW-26	1/7/13	111.38	8.37	8.54	0.17	102.97					
MW-26	1/14/13	111.38	8.15	8.33	0.18	103.19					
MW-26	1/21/13	111.38	8.30	8.69	0.39	102.99					
MW-26	1/28/13	111.38	8.42	8.64	0.22	102.91					
MW-26	2/6/13	111.38	8.05	8.07	0.02	103.33					
MW-26	2/11/13	111.38		7.85		103.53					
MW-26	2/18/13	111.38		8.02		103.36					
MW-26	2/27/13	111.38		8.02		103.36					
MW-26	3/4/13	111.38		7.97		103.41					
MW-26	3/25/13	111.38		7.82		103.56					
MW-26	4/4/13	111.38		8.15		103.23					
MW-26	4/8/13	111.38		8.05		103.33					
MW-26	4/15/13	111.38		7.55		103.83					
MW-26	4/22/13	111.38		7.21		104.17					
MW-26	5/8/13	111.38		7.62		103.76					
MW-26	5/23/13	111.38		7.67		103.71					
MW-26	7/3/13	111.38		7.57		103.81					
MW-27	4/21/05	111.15		7.54		103.61	0.048	0.0095	0.15	0.68	0.016
MW-27	12/29/08	111.15	sheen	6.83	sheen	104.32					
MW-27	12/31/08	111.15	6.97	7.03	0.06	104.17					
MW-27	1/5/09	111.15	7.25	7.35	0.10	103.88					
MW-27	1/9/09	111.15	7.29	7.39	0.10	103.84					
MW-27	1/27/09	111.15	7.59	7.72	0.13	103.53					
MW-27	1/30/09	111.15	7.66	7.68	0.02	103.49					
MW-27	2/26/09	111.15	7.28	7.36	0.08	103.85					
MW-27	3/9/09	111.15		6.50		104.65					
MW-27	3/13/09	111.15	6.82	6.83	0.00	104.33					
MW-27	4/1/09	111.15		6.71		104.44					
MW-27	5/19/09	111.15	7.37	7.39	0.02	103.78					
MW-27	7/16/09	111.15	7.42	8.34	0.92	103.53					
MW-27	9/1/09	111.15	7.43	7.73	0.30	103.65					
MW-27	9/10/09	111.15	7.55	7.56	0.01	103.60					
MW-27	9/17/09	111.15	7.56	7.58	0.02	103.59					
MW-27	9/24/09	111.15		7.53		103.62					
MW-27	10/1/09	111.15		7.59		103.56					
MW-27	10/7/09	111.15	7.53	7.84	0.31	103.55					
MW-27	10/23/09	111.15	7.30	7.53	0.23	103.80					
MW-27	10/28/09	111.15	7.39	7.58	0.19	103.72					
MW-27	11/9/09	111.15	7.51	7.78	0.27	103.58					
MW-27	11/24/09	111.15	7.60	8.07	0.47	103.45					
MW-27	12/3/09	111.15	7.53	7.87	0.34	103.55					
MW-27	12/8/09	111.15	7.56	7.96	0.40	103.50					
MW-27	12/17/09	111.15	7.49	7.77	0.28	103.60					
MW-27	12/22/09	111.15	7.55	7.94	0.39	103.51					
MW-27	12/28/09	111.15		7.20		103.95					
MW-27	1/6/10	111.15	7.51	7.53	0.02	103.64					
MW-27	1/11/10	111.15		7.65		103.50					
MW-27	1/19/10	111.15	7.63	7.65	0.02	103.52					
MW-27	1/25/10	111.15		7.13		104.02					

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-27	2/2/10	111.15	7.51	7.53	0.02	103.64					
MW-27	2/8/10	111.15	7.60	7.63	0.03	103.54					
MW-27	2/16/10	111.15	7.72	7.74	0.02	103.43					
MW-27	2/22/10	111.15	7.50	7.72	0.22	103.60					
MW-27	3/1/10	111.15		7.48		103.67					
MW-27	3/1/10	111.15		7.61	0.24	103.73					
MW-27	3/8/10	111.15	7.37	7.23		103.92					
MW-27	3/18/10	111.15		7.29		103.86					
MW-27	3/24/10	111.15		7.43	0.01	103.73					
MW-27	3/29/10	111.15	7.42	7.43	0.10	103.67					
MW-27	4/2/10	111.15	7.46	7.56	0.13	103.64					
MW-27	4/27/10	111.15	7.48	7.61	0.12	103.63					
MW-27	5/4/10	111.15	7.49	7.61	0.09	103.68					
MW-27	5/10/10	111.15	7.45	7.54	0.12	103.87					
MW-27	5/19/10	111.15	7.25	7.37	0.12	103.73					
MW-27	5/25/10	111.15	7.39	7.51	0.12	103.72					
MW-27	6/2/10	111.15	7.42	7.46	0.04	103.72					
MW-27	6/8/10	111.15	7.35	7.38	0.03	103.79					
MW-27	6/8/10	111.15	7.40	7.58	0.18	103.71					
MW-27	6/16/10	111.15	7.34	7.75	0.41	103.72					
MW-27	6/22/10	111.15	7.30	7.86	0.56	103.73					
MW-27	6/30/10	111.15		7.37		103.78					
MW-27	7/6/10	111.15		8.11	0.76	103.63					
MW-27	7/13/10	111.15	7.35	7.47	0.01	103.69					
MW-27	7/20/10	111.15	7.46	7.65	0.32	103.75					
MW-27	7/27/10	111.15	7.33	8.12	0.83	103.68					
MW-27	8/18/10	111.15	7.29	8.12	0.81	103.66					
MW-27	8/24/10	111.15	7.31	7.46	0.06	103.74					
MW-27	8/31/10	111.15	7.40	7.46		103.69					
MW-27	9/21/10	111.15		7.49		103.66					
MW-27	9/30/10	111.15		8.50	0.91	103.36					
MW-27	10/12/10	111.15	7.59	8.42	0.81	103.36					
MW-27	11/3/10	111.15	7.61	8.37	0.79	103.40					
MW-27	11/15/10	111.15	7.58	8.38	0.71	103.32					
MW-27	12/2/10	111.15	7.67	8.40	0.77	103.35					
MW-27	12/10/10	111.15	7.63	8.66	0.95	103.23					
MW-27	12/22/10	111.15	7.71	8.63	0.89	103.21					
MW-27	12/27/10	111.15	7.74	8.59	0.23	102.74					
MW-27	12/29/10	111.15	8.36	8.22	0.58	103.38					
MW-27	1/5/11	111.15	7.64	8.39	0.14	102.87					
MW-27	5-Jan-11 ^A	111.15	8.25	7.69		103.46					
MW-27	1/10/11	111.15		8.52	0.77	103.23					
MW-27	1/13/11	111.15	7.75	8.13	0.01	103.03					
MW-27	13-Jan-11 ^A	111.15	8.12	8.63	0.89	103.21					
MW-27	1/17/11	111.15	7.74	7.79		103.36					
MW-27	1/28/11	111.15		8.80	0.87	103.03					
MW-27	28-Jan-11 ^A	111.15	7.93	7.91		109.41					
MW-27	2/7/11	111.15		7.31	0.09	103.91					
MW-27	2/22/11	111.15	7.22	7.61	0.11	103.63					
MW-27	3/2/11	111.15	7.50	7.62	0.07	103.58					
MW-27	3/7/11	111.15	7.55	7.38	0.01	103.78					
MW-27	3/14/11	111.15	7.37	6.95	0.02	104.22					
MW-27	3/21/11	111.15	6.93	7.32		109.54					
MW-27	3/28/11	111.15		7.45	0.01	103.71					
MW-27	4/5/11	111.15	7.44	7.40	0.03	103.77					
MW-27	4/12/11	111.15	7.37	7.45	0.01	103.71					
MW-27	4/14/11	111.15	7.44	7.10		109.59					
MW-27	4/19/11	111.15		6.90		109.63					
MW-27	4/26/11	111.15		7.33		109.54					
MW-27	5/5/11	111.15		7.46		109.51					
MW-27	5/11/11	111.15		7.48		109.50					
MW-27	5/17/11	111.15		7.12		109.58					
MW-27	5/23/11	111.15		7.23		109.56					
MW-27	6/2/11	111.15		7.51	0.01	103.65					
MW-27	6/27/11	111.15	7.50	7.65	0.02	103.52					
MW-27	7/6/11	111.15	7.63	7.82	0.07	103.38					
MW-27	7/18/11	111.15	7.75	7.49	0.07	103.71					
MW-27	7/26/11	111.15	7.42	7.45	0.02	103.72					
MW-27	8/2/11	111.15	7.43	7.21		109.56					
MW-27	8/9/11	111.15		7.52	0.03	103.65					
MW-27	8/15/11	111.15	7.49	7.42		109.52					
MW-27	8/22/11	111.15									

Table 1
Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIGER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-27	8/29/11	111.15	7.54	7.58	0.04	103.60					
MW-27	9/7/11	111.15	7.65	7.71	0.06	103.49					
MW-27	9/13/11	111.15	7.70	7.76	0.06	103.44					
MW-27	9/20/11	111.15	7.64	7.72	0.08	103.49					
MW-27	9/27/11	111.15		7.45		109.51					
MW-27	10/3/11	111.15	7.54	7.57	0.03	103.60					
MW-27	10/11/11	111.15	7.62	7.65	0.03	103.52					
MW-27	10/18/11	111.15	7.62	7.65	0.03	103.52					
MW-27	10/25/11	111.15	7.57	7.60	0.03	103.57					
MW-27	11/4/11	111.15	7.57	7.58	0.01	103.58					
MW-27	11/10/11	111.15		7.31		109.54					
MW-27	11/21/11	111.15		7.53		109.49					
MW-27	11/30/11	111.15	7.51	7.52	0.01	103.64					
MW-27	12/6/11	111.15	7.41	7.42	0.01	103.74					
MW-27	12/12/11	111.15	7.54	7.55	0.01	103.61					
MW-27	12/19/11	111.15		7.49		109.50					
MW-27	12/29/11	111.15		7.58		109.48					
MW-27	1/9/12	111.15		7.56		109.49					
MW-27	1/17/12	111.15		7.02		109.61					
MW-27	1/23/12	111.15		7.43		109.52					
MW-27	1/31/12	111.15		7.47		109.51					
MW-27	2/6/12	111.15		7.49		109.50					
MW-27	2/13/12	111.15	7.60	7.61	0.01	103.55					
MW-27	2/21/12	111.15	7.59	7.61	0.02	103.56					
MW-27	2/28/12	111.15	7.43	7.44	0.01	103.72					
MW-27	3/9/12	111.15	7.59	7.60	0.01	103.56					
MW-27	3/23/12	111.15		7.50		109.50					
MW-27	3/27/12	111.15		7.45		109.51					
MW-27	4/5/12	111.15		7.60		109.48					
MW-27	4/10/12	111.15	7.64	7.65	0.01	103.51					
MW-27	4/16/12	111.15		7.25		109.56					
MW-27	4/24/12	111.15	7.47	7.48	0.01	103.68					
MW-27	5/4/12	111.15		7.47		109.51					
MW-27	5/10/12	111.15		7.39		109.52					
MW-27	5/16/12	111.15		7.54		109.49					
MW-27	5/25/12	111.15		7.64		109.47					
MW-27	5/29/12	111.15	7.62	7.63	0.01	103.53					
MW-27	6/8/12	111.15		7.60		109.48					
MW-27	6/14/12	111.15	7.70	7.71	0.01	103.45					
MW-27	6/19/12	111.15	7.71	7.74	0.03	103.43					
MW-27	6/29/12	111.15	7.84	7.88	0.04	103.30					
MW-27	7/3/12	111.15	7.89	7.93	0.04	103.25					
MW-27	7/11/12	111.15		7.95		109.40					
MW-27	7/16/12	111.15	7.88	7.89	0.01	103.27					
MW-27	8/1/12	111.15		7.93		109.41					
MW-27	8/10/12	111.15	7.84	7.85	0.01	103.31					
MW-27	9/7/12	111.15		7.85		109.42					
MW-27	9/13/12	111.15		7.90		109.41					
MW-27	10/3/12	111.15	7.98	8.94	0.96	102.96					
MW-27	11/13/12	111.15	7.64	8.84	1.20	103.25					
MW-27	11/27/12	111.15	8.02	9.00	0.98	102.91					
MW-27	12/3/12	111.15	8.03	9.10	1.07	102.88					
MW-27	12/6/12	111.15	8.28	9.35	1.07	102.63					
MW-27	6-Dec-12 ^A	111.15	8.31	8.34	0.03	102.83					
MW-27	12/10/12	111.15	8.05	8.96	0.91	102.90					
MW-27	10-Dec-12 ^A	111.15	8.38	8.39	0.01	102.77					
MW-27	12/14/12	111.15	8.10	9.11	1.01	102.83					
MW-27	14-Dec-12 ^A	111.15	8.45	8.46	0.01	102.70					
MW-27	12/18/12	111.15	7.98	8.60	0.62	103.03					
MW-27	12/27/12	111.15	7.98	8.11	0.13	103.14					
MW-27	1/7/13	111.15	8.08	8.10	0.02	103.07					
MW-27	1/14/13	111.15	7.94	7.95	0.01	103.21					
MW-27	1/21/13	111.15	8.05	8.07	0.02	103.10					
MW-27	1/28/13	111.15	8.08	8.83	0.75	102.91					
MW-27	2/6/13	111.15	7.95	8.05	0.10	103.18					
MW-27	2/11/13	111.15		7.61		109.48					
MW-27	2/18/13	111.15		7.84		109.43					
MW-27	2/27/13	111.15		7.84		109.43					
MW-27	3/4/13	111.15		7.81		109.43					
MW-27	3/25/13	111.15		7.71		109.45					

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-27	4/4/13	111.15		7.79		109.44					
MW-27	4/8/13	111.15		7.76		109.44					
MW-27	4/15/13	111.15		7.48		109.50					
MW-27	4/22/13	111.15		7.07		109.59					
MW-27	5/8/13	111.15		7.52		109.50					
MW-27	5/23/13	111.15		7.56		109.49					
MW-27	7/3/13	111.15		7.51		109.50					
MW-28	4/21/05	112.55		8.10		104.45					
MW-28	4/22/05	112.55									
MW-28	1/5/09	112.55		7.80		104.75	<0.001	<0.001	<0.001	<0.003	<0.001
MW-28	1/6/09	112.55									
MW-28	9/1/09	112.55		8.02		104.53	<0.001	<0.001	<0.001	<0.003	<0.001
MW-28	4/14/11	112.55		7.91		104.64	<0.001	<0.001	<0.001	<0.003	<0.001
MW-28	12/6/12	112.55		9.11		103.44					
MW-28	12/10/12	112.55		9.08		103.47					
MW-28	12/14/12	112.55		9.10		103.45					
MW-28	12/18/12	112.55		9.08		103.47					
MW-28	12/27/12	112.55		9.05		103.50					
MW-28	1/7/13	112.55		9.04		103.54					
MW-28	1/28/13	112.55		9.04		103.51					
MW-28	2/11/13	112.55		8.62		103.93					
MW-28	4/4/13	112.55		7.95		104.60					
MW-28	4/8/13	112.55		7.97		104.58					
MW-28	4/15/13	112.55		7.55		105.00					
MW-28	4/22/13	112.55		7.05		105.50					
MW-28	5/8/13	112.55		7.51		105.04					
MW-29	5/19/09		7.32	9.39	2.07						
MW-29	6/17/09		7.55	8.65	1.10						
MW-29	7/16/09		7.84	9.10	1.26						
MW-29	7/27/09		7.76	8.86	1.10						
MW-29	8/11/09		8.26	8.27	0.01						
MW-29	8/18/09		8.29	8.44	0.15						
MW-29	8/25/09		8.21	8.28	0.07						
MW-29	9/1/09		7.75	8.96	1.21						
MW-29	9/10/09		7.88	9.16	1.28						
MW-29	9/17/09		8.27	8.41	0.14						
MW-29	9/24/09		8.26	8.27	0.01						
MW-29	10/1/09			8.30							
MW-29	10/7/09		8.09	8.11	0.02						
MW-29	10/23/09		7.75	7.86	0.11						
MW-29	10/28/09		7.84	8.26	0.42						
MW-29	11/9/09		7.80	8.95	1.15						
MW-29	11/24/09		7.93	9.03	1.10						
MW-29	12/3/09		7.84	8.82	0.98						
MW-29	12/8/09		7.86	8.74	0.88						
MW-29	12/17/09		7.90	8.60	0.70						
MW-29	12/22/09		7.95	8.80	0.85						
MW-29	12/28/09		7.61	7.63	0.02						
MW-29	1/6/10		7.80	8.73	0.93						
MW-29	1/11/10		7.80	9.17	1.37						
MW-29	1/19/10		7.85	9.20	1.35						
MW-29	1/25/10		7.55	7.63	0.08						
MW-29	2/2/10		7.82	8.77	0.95						
MW-29	2/8/10		7.85	8.89	1.04						
MW-29	2/16/10		7.93	8.97	1.04						
MW-29	2/22/10		7.85	8.45	0.60						
MW-29	3/1/10		7.87	8.64	0.77						
MW-29	3/8/10		7.71	8.16	0.45						
MW-29	3/18/10		7.62	7.77	0.15						
MW-29	3/24/10		7.65	7.73	0.08						
MW-29	3/29/10		7.78	7.85	0.07						
MW-29	4/21/10		7.18	7.23	0.05						
MW-29	4/27/10		7.86	8.45	0.59						
MW-29	5/4/10		7.76	8.71	0.95						
MW-29	5/10/10		7.83	8.40	0.57						
MW-29	5/19/10		7.56	8.50	0.94						
MW-29	5/25/10		7.71	8.52	0.81						
MW-29	6/2/10		7.70	8.40	0.70						
MW-29	6/8/10		7.72	8.36	0.64						
MW-29	6/16/10		7.70	8.50	0.80						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-29	6/22/10		6.95	7.22	0.27						
MW-29	6/30/10		7.00	7.21	0.21						
MW-29	7/6/10		6.98	7.19	0.23						
MW-29	7/13/10		6.99	7.14	0.15						
MW-29	7/20/10		6.97	7.19	0.22						
MW-29	7/27/10		7.03	7.16	0.13						
MW-29	8/18/10		7.00	7.18	0.18						
MW-29	8/24/10		7.01	7.15	0.14						
MW-29	8/31/10		7.02	7.17	0.15						
MW-29	9/21/10		7.04	7.19	0.15						
MW-29	9/30/10		7.11	7.24	0.13						
MW-29	10/12/10		7.25	7.40	0.15						
MW-29	11/3/10		8.23	8.53	0.30						
MW-29	11/15/10		8.21	8.54	0.33						
MW-29	12/2/10		8.25	8.56	0.31						
MW-29	12/10/10		8.29	8.52	0.23						
MW-29	12/22/10		8.41	8.43	0.02						
MW-29	12/27/10		7.74	8.63	0.89						
MW-29	12/29/10		8.12	8.45	0.33						
MW-29	1/5/11		8.18	8.95	0.77						
MW-29	5-Jan-11 ^A		8.68	8.71	0.03						
MW-29	1/13/11		8.45	8.72	0.27						
MW-29	13-Jan-11 ^A		8.73	8.78	0.05						
MW-29	1/17/11		8.42	8.68	0.26						
MW-29	1/28/11		8.52	8.67	0.15						
MW-29	28-Jan-11 ^A			8.90							
MW-29	2/7/11		8.64	8.72	0.08						
MW-29	2/22/11			7.72							
MW-29	3/2/11		7.85	7.99	0.14						
MW-29	3/7/11		7.78	7.86	0.08						
MW-29	3/14/11		7.70	8.29	0.59						
MW-29	3/21/11			7.34							
MW-29	3/28/11			7.65							
MW-29	4/5/11			7.60							
MW-29	4/12/11		7.61	8.74	1.13						
MW-29	4/14/11		7.68	8.77	1.09						
MW-29	4/19/11		8.21	8.40	0.19						
MW-29	4/26/11		7.19	7.50	0.31						
MW-29	5/5/11		7.63	8.34	0.71						
MW-29	5/11/11		7.70	8.81	1.11						
MW-29	5/17/11		7.93	8.24	0.31						
MW-29	5/23/11		7.58	7.83	0.05						
MW-29	6/2/11		7.57	8.25	0.68						
MW-29	6/27/11		7.68	9.02	1.34						
MW-29	7/6/11		7.55	7.96	0.41						
MW-29	7/18/11		8.08	9.12	1.08						
MW-29	7/26/11		7.79	8.55	0.76						
MW-29	8/2/11		7.73	8.53	0.80						
MW-29	8/9/11		7.72	8.46	0.74						
MW-29	8/15/11		7.92	8.13	0.21						
MW-29	8/22/11		7.84	8.16	0.32						
MW-29	8/29/11		7.85	8.67	0.82						
MW-29	9/7/11		8.05	8.70	0.65						
MW-29	9/13/11		8.15	8.60	0.45						
MW-29	9/20/11		7.98	8.90	0.92						
MW-29	9/27/11		7.90	8.08	0.18						
MW-29	10/3/11		8.00	8.12	0.12						
MW-29	10/11/11		8.14	8.21	0.07						
MW-29	10/18/11		7.78	8.73	0.95						
MW-29	10/25/11		7.72	8.68	0.96						
MW-29	11/4/11		7.82	8.60	0.78						
MW-29	11/10/11		7.62	8.36	0.74						
MW-29	11/21/11		7.88	8.31	0.43						
MW-29	11/30/11		7.89	8.35	0.46						
MW-29	12/6/11		7.81	8.11	0.30						
MW-29	12/12/11		7.89	8.49	0.60						
MW-29	12/19/11		7.86	8.23	0.37						
MW-29	12/29/11		7.93	8.19	0.26						
MW-29	1/9/12			7.95							
MW-29	1/17/12		7.83	7.88	0.05						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-29	1/23/12		7.86	8.38	0.52						
MW-29	1/31/12		7.90	8.45	0.55						
MW-29	2/6/12		7.88	8.38	0.50						
MW-29	2/13/12		7.94	8.73	0.79						
MW-29	2/21/12		8.00	8.68	0.68						
MW-29	2/28/12		7.85	8.22	0.37						
MW-29	3/9/12		8.40	8.45	0.05						
MW-29	3/23/12			7.85							
MW-29	4/5/12		7.91	8.79	0.88						
MW-29	4/10/12		8.00	8.72	0.72						
MW-29	4/16/12		7.70	8.30	0.60						
MW-29	4/24/12		7.85	8.50	0.65						
MW-29	5/4/12		7.84	8.43	0.59						
MW-29	5/10/12		7.81	8.25	0.44						
MW-29	5/16/12		7.88	8.76	0.88						
MW-29	5/25/12		7.92	8.60	0.68						
MW-29	5/29/12		7.93	8.97	1.04						
MW-29	6/8/12		7.97	8.00	0.03						
MW-29	6/14/12		7.99	8.98	0.99						
MW-29	6/19/12		8.12	8.86	0.74						
MW-29	6/29/12		8.21	9.13	0.92						
MW-29	7/3/12		8.25	9.16	0.91						
MW-29	7/11/12		8.24	8.29	0.05						
MW-29	7/16/12		8.37	9.21	0.84						
MW-29	8/1/12		8.13	9.03	0.90						
MW-29	8/10/12		8.18	9.20	1.02						
MW-29	9/7/12		8.31	9.71	1.40						
MW-29	9/13/12		8.31	8.39	0.08						
MW-29	10/3/12		8.43	8.45	0.02						
MW-29	11/13/12		7.84	8.84	1.20						
MW-29	11/27/12		7.82	8.81	0.99						
MW-29	12/3/12		7.96	8.50	0.54						
MW-29	12/6/12		8.03	8.36	0.33						
MW-29	6-Dec-12 ^A			8.15							
MW-29	12/10/12		8.00	8.07	0.07						
MW-29	10-Dec-12 ^A		8.10	8.12	0.02						
MW-29	12/14/12		8.12	8.29	0.17						
MW-29	14-Dec-12 ^A			8.23							
MW-29	12/18/12		7.90	7.95	0.05						
MW-29	12/27/12		7.78	8.02	0.24						
MW-29	1/7/13		7.91	7.93	0.02						
MW-29	1/14/13		7.75	7.78	0.03						
MW-29	1/21/13		7.85	7.87	0.02						
MW-29	1/28/13		7.93	7.94	0.01						
MW-29	2/6/13		7.65	8.24	0.59						
MW-29	2/11/13		7.34	7.35	0.01						
MW-29	2/18/13		7.51	7.78	0.27						
MW-29	2/21/13		7.52	7.55	0.03						
MW-29	2/27/13		7.58	7.72	0.14						
MW-29	3/4/13		7.56	7.57	0.02						
MW-29	3/25/13			7.43							
MW-29	4/4/13			7.55							
MW-29	4/8/13		7.54	7.56	0.02						
MW-29	4/15/13	Sheen	Sheen	7.11	Sheen						
MW-29	4/22/13			6.72							
MW-29	5/8/13		7.21	7.22	0.01						
MW-29	5/23/13			7.27							
MW-29	7/3/13		7.14	7.15	0.01						
MW-30	5/19/09		7.46	7.54	0.08						
MW-30	6/17/09		7.29	8.19	0.90						
MW-30	7/16/09		7.54	8.55	1.01						
MW-30	8/25/09		7.66	8.54	0.88						
MW-30	9/1/09		7.58	7.91	0.33						
MW-30	9/10/09		7.65	8.52	0.87						
MW-30	9/17/09			7.68							
MW-30	9/24/09			7.69							
MW-30	10/1/09			7.72							
MW-30	10/7/09		7.64	7.65	0.01						
MW-30	10/23/09		7.41	7.64	0.23						
MW-30	10/28/09		7.54	7.71	0.17						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-30	11/9/09		7.67	7.83	0.16						
MW-30	11/24/09		7.81	7.95	0.14						
MW-30	12/3/09		7.70	7.93	0.23						
MW-30	12/8/09		7.71	7.80	0.09						
MW-30	12/17/09		7.63	7.72	0.09						
MW-30	12/22/09		7.73	8.00	0.27						
MW-30	12/28/09		7.27	7.33	0.06						
MW-30	1/6/10		7.63	7.74	0.11						
MW-30	1/11/10		7.73	7.83	0.10						
MW-30	1/19/10		7.77	7.82	0.05						
MW-30	1/25/10			7.23							
MW-30	2/2/10		7.63	7.68	0.05						
MW-30	2/8/10		7.72	7.88	0.16						
MW-30	2/16/10		7.78	7.82	0.04						
MW-30	2/22/10		7.67	7.70	0.03						
MW-30	3/1/10		7.67	7.70	0.03						
MW-30	3/8/10		7.54	7.57	0.03						
MW-30	3/18/10		7.32	7.35	0.03						
MW-30	3/24/10		7.40	7.46	0.06						
MW-30	3/29/10		7.52	7.57	0.05						
MW-30	4/21/10		7.60	7.72	0.12						
MW-30	4/27/10		7.62	7.73	0.11						
MW-30	5/4/10		7.61	7.72	0.11						
MW-30	5/10/10		7.57	7.67	0.10						
MW-30	5/19/10		7.37	7.46	0.09						
MW-30	5/25/10		7.53	7.60	0.07						
MW-30	6/2/10		7.53	7.60	0.07						
MW-30	6/8/10		7.45	7.54	0.09						
MW-30	6/16/10		7.54	7.62	0.08						
MW-30	6/22/10		7.41	8.03	0.62						
MW-30	6/30/10		7.37	8.18	0.81						
MW-30	7/6/10		7.49	7.51	0.02						
MW-30	7/13/10			7.51							
MW-30	7/20/10		7.60	8.38	0.78						
MW-30	7/27/10			7.45							
MW-30	8/18/10		7.37	8.30	0.93						
MW-30	8/24/10			7.40							
MW-30	8/31/10		7.45	7.51	0.06						
MW-30	9/21/10			7.52							
MW-30	9/30/10			7.60							
MW-30	10/12/10		7.58	8.71	1.13						
MW-30	11/3/10		7.69	8.59	0.90						
MW-30	11/15/10		7.50	8.43	0.93						
MW-30	12/2/10		7.74	8.59	0.85						
MW-30	12/10/10		7.71	8.55	0.84						
MW-30	12/22/10		7.90	8.89	0.99						
MW-30	12/27/10		7.84	8.82	0.98						
MW-30	12/29/10		7.97	8.48	0.51						
MW-30	1/6/11		7.74	8.40	0.66						
MW-30	5-Jan-11 ^A		8.19	8.20	0.01						
MW-30	1/10/11			7.80							
MW-30	1/13/11		7.86	8.73	0.87						
MW-30	13-Jan-11 ^A			8.29							
MW-30	1/17/11		7.88	8.84	0.96						
MW-30	1/28/11		7.91	8.95	1.04						
MW-30	28-Jan-11 ^A		8.25	8.27	0.02						
MW-30	2/7/11		7.97	9.09	1.12						
MW-30	2/22/11		7.35	7.37	0.02						
MW-30	3/2/11		7.55	7.58	0.02						
MW-30	3/7/11		7.46	7.49	0.03						
MW-30	3/14/11		7.48	7.49	0.01						
MW-30	3/21/11		6.99	7.00	0.01						
MW-30	3/28/11			7.43							
MW-30	4/5/11		7.56	7.58	0.02						
MW-30	4/12/11		7.49	7.51	0.02						
MW-30	4/14/11			7.55							
MW-30	4/19/11			7.20							
MW-30	4/26/11		Sheen	6.96	Sheen						
MW-30	5/5/11			7.44							
MW-30	5/11/11		7.58	7.60	0.02						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-30	5/17/11		7.61	7.63	0.02						
MW-30	5/23/11			7.23							
MW-30	6/2/11			7.33							
MW-30	6/27/11		7.62	7.64	0.02						
MW-30	7/6/11		7.76	7.78	0.02						
MW-30	7/18/11		7.91	7.93	0.02						
MW-30	7/26/11		7.57	7.59	0.02						
MW-30	8/2/11		7.55	7.57	0.02						
MW-30	8/9/11		7.50	7.53	0.03						
MW-30	8/15/11		7.62	7.64	0.02						
MW-30	8/22/11			7.54							
MW-30	8/29/11		7.66	7.69	0.03						
MW-30	9/7/11		7.76	7.80	0.04						
MW-30	9/13/11		7.84	7.89	0.05						
MW-30	9/20/11		7.79	7.81	0.02						
MW-30	9/27/11			7.59							
MW-30	10/3/11			7.65							
MW-30	10/11/11			7.71							
MW-30	10/18/11		7.77	7.80	0.03						
MW-30	10/25/11		7.70	7.71	0.01						
MW-30	11/4/11		7.66	7.70	0.04						
MW-30	11/10/11		7.45	7.47	0.02						
MW-30	11/21/11		7.64	7.65	0.01						
MW-30	11/30/11		7.63	7.66	0.03						
MW-30	12/5/11		7.53	7.55	0.02						
MW-30	12/12/11		7.65	7.69	0.03						
MW-30	12/19/11			7.60							
MW-30	12/29/11			7.45							
MW-30	1/9/12			7.72							
MW-30	1/17/12			7.80							
MW-30	1/23/12		7.58	7.59	0.01						
MW-30	1/31/12			7.59							
MW-30	2/6/12			7.80							
MW-30	2/13/12			7.75							
MW-30	2/21/12			7.73							
MW-30	2/28/12			7.53							
MW-30	3/9/12			7.60							
MW-30	3/23/12			7.61							
MW-30	3/27/12			7.58							
MW-30	4/5/12			7.72							
MW-30	4/10/12		7.76	7.77	0.01						
MW-30	4/16/12			7.36							
MW-30	4/24/12		7.59	7.60	0.01						
MW-30	5/4/12		7.56	7.57	0.01						
MW-30	5/10/12			7.52							
MW-30	5/16/12			7.67							
MW-30	5/25/12			7.69							
MW-30	5/29/12			7.76							
MW-30	6/8/12			7.73							
MW-30	6/14/12			7.82							
MW-30	6/19/12		7.85	7.86	0.01						
MW-30	6/29/12		7.98	7.99	0.01						
MW-30	7/3/12		8.01	8.02	0.01						
MW-30	7/11/12		8.10	8.11	0.01						
MW-30	7/16/12			8.14							
MW-30	8/1/12			8.06							
MW-30	8/10/12			8.00							
MW-30	9/7/12		8.14	8.15	0.01						
MW-30	9/13/12			8.18							
MW-30	10/3/12		8.28	8.46	0.18						
MW-30	11/27/12		8.21	8.97	0.76						
MW-30	12/3/12		8.72	9.50	0.78						
MW-30	12/6/12		8.39	8.75	0.36						
MW-30	6-Dec-12 ^A		8.46	8.47	0.01						
MW-30	12/10/12		8.21	8.91	0.70						
MW-30	10-Dec-12 ^A			8.52							
MW-30	12/14/12		8.33	9.41	1.08						
MW-30	14-Dec-12 ^A			8.61							
MW-30	12/18/12		8.06	8.86	0.80						
MW-30	12/27/12		8.07	8.40	0.33						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-30	1/7/13		8.21	8.84	0.63						
MW-30	1/14/13		8.07	8.55	0.48						
MW-30	1/21/13		8.21	8.68	0.47						
MW-30	1/28/13		8.29	8.68	0.39						
MW-30	2/6/13		8.05	8.05	0.01						
MW-30	2/11/13		7.70	7.80	0.10						
MW-30	2/18/13		7.94	7.95	0.01						
MW-30	2/27/13		7.95	7.97	0.02						
MW-30	3/4/13		7.93	7.94	0.01						
MW-30	3/25/13			7.81							
MW-30	4/4/13			7.90							
MW-30	4/8/13			7.90							
MW-30	4/15/13			7.55							
MW-30	4/22/13			7.15							
MW-30	5/8/13			7.62							
MW-30	5/23/13			7.68							
MW-30	7/3/13			7.58							
MW-31	5/19/09			7.36							
MW-31	6/17/09		7.36	7.86	0.50						
MW-31	7/16/09		7.80	7.82	0.02						
MW-31	7/27/09		7.83	7.87	0.04						
MW-31	8/11/09		7.87	7.90	0.03						
MW-31	8/18/09		7.66	8.32	0.66						
MW-31	8/25/09		7.71	8.03	0.32						
MW-31	9/1/09		7.54	7.87	0.33						
MW-31	9/10/09		7.66	8.03	0.37						
MW-31	9/17/09		7.81	7.86	0.05						
MW-31	9/24/09			7.83							
MW-31	10/1/09			7.81							
MW-31	10/7/09		7.70	7.71	0.01						
MW-31	10/23/09		8.02	8.03	0.01						
MW-31	10/28/09		7.69	7.73	0.04						
MW-31	11/9/09		7.75	7.96	0.21						
MW-31	11/24/09		7.80	7.81	0.01						
MW-31	12/3/09		7.83	7.94	0.11						
MW-31	12/8/09		7.81	7.90	0.09						
MW-31	12/17/09		7.67	7.69	0.02						
MW-31	12/22/09		7.80	8.13	0.33						
MW-31	12/28/09		7.95	8.03	0.08						
MW-31	1/6/10		7.47	7.57	0.10						
MW-31	1/11/10		7.40	7.50	0.10						
MW-31	1/19/10		7.41	7.50	0.09						
MW-31	1/25/10			7.23							
MW-31	2/2/10			7.65							
MW-31	2/8/10		7.61	7.88	0.27						
MW-31	2/16/10		7.77	7.97	0.20						
MW-31	2/22/10		7.56	7.91	0.35						
MW-31	3/1/10		7.54	7.82	0.28						
MW-31	3/8/10		7.46	7.68	0.22						
MW-31	3/18/10		7.28	7.36	0.08						
MW-31	3/24/10		7.30	7.36	0.06						
MW-31	3/29/10		7.32	7.37	0.05						
MW-31	4/21/10		7.40	7.49	0.09						
MW-31	4/27/10		7.54	7.63	0.09						
MW-31	5/4/10		7.41	7.43	0.02						
MW-31	5/10/10		7.39	7.43	0.04						
MW-31	5/19/10		7.43	7.75	0.32						
MW-31	6/2/10		7.20	7.22	0.02						
MW-31	6/8/10		7.21	7.23	0.02						
MW-31	6/16/10		7.19	7.21	0.02						
MW-31	6/22/10		6.22	6.24	0.02						
MW-31	6/30/10		6.21	6.23	0.02						
MW-31	7/6/10		6.22	6.24	0.02						
MW-31	7/13/10		6.21	6.23	0.02						
MW-31	7/20/10		6.22	6.24	0.02						
MW-31	7/27/10		6.24	6.26	0.02						
MW-31	8/18/10		6.20	6.23	0.03						
MW-31	8/24/10		6.18	6.21	0.03						
MW-31	8/31/10		6.20	6.23	0.03						
MW-31	9/21/10		6.18	6.21	0.03						

Table 1
Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCJER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-31	9/30/10		6.18	6.21	0.03						
MW-31	10/12/10		6.16	6.19	0.03						
MW-31	11/3/10		7.88	8.27	0.39						
MW-31	11/15/10		7.73	8.11	0.38						
MW-31	12/2/10		7.76	8.13	0.37						
MW-31	12/10/10		7.73	8.10	0.37						
MW-31	12/22/10			6.10							
MW-31	12/27/10			6.11							
MW-31	1/10/11			7.85							
MW-31	1/13/11		8.09	8.74	0.65						
MW-31	13-Jan-11 ^A		8.10	8.12	0.02						
MW-31	1/17/11		8.02	8.51	0.49						
MW-31	1/28/11		7.92	8.63	0.71						
MW-31	28-Jan-11 ^A		7.95	8.83	0.88						
MW-31	2/22/11		6.67	6.69	0.02						
MW-31	3/2/11		7.77	7.80	0.03						
MW-31	3/7/11		7.68	7.71	0.03						
MW-31	3/14/11		7.40	7.58	0.18						
MW-31	3/21/11			7.05							
MW-31	3/28/11			6.32							
MW-31	4/5/11			6.30							
MW-31	4/12/11		7.56	7.60	0.04						
MW-31	4/14/11		7.85	7.89	0.04						
MW-31	4/19/11		7.74	7.76	0.02						
MW-31	4/26/11			6.98							
MW-31	5/5/11		7.00	7.76	0.76						
MW-31	5/11/11			6.96							
MW-31	5/17/11			6.98							
MW-31	5/23/11			6.96							
MW-31	6/2/11			7.30							
MW-31	6/27/11		7.49	7.91	0.42						
MW-31	7/6/11		7.64	7.89	0.25						
MW-31	7/18/11		7.78	7.81	0.03						
MW-31	7/26/11		7.51	7.60	0.09						
MW-31	8/2/11		7.54	7.61	0.07						
MW-31	8/9/11		7.43	7.54	0.11						
MW-31	8/15/11		7.51	7.53	0.02						
MW-31	8/22/11			7.41							
MW-31	8/29/11		7.51	7.52	0.01						
MW-31	9/7/11		7.65	7.66	0.01						
MW-31	9/13/11		7.64	7.68	0.04						
MW-31	9/20/11			7.80							
MW-31	9/27/11			7.92							
MW-31	10/3/11			7.95							
MW-31	10/11/11			8.04							
MW-31	10/18/11		7.68	7.78	0.10						
MW-31	10/25/11		7.62	7.72	0.10						
MW-31	11/4/11		7.61	7.69	0.08						
MW-31	11/10/11		7.51	7.56	0.05						
MW-31	11/30/11		7.54	7.68	0.14						
MW-31	12/6/11			7.44							
MW-31	12/12/11		7.58	7.70	0.12						
MW-31	12/19/11		7.51	7.61	0.10						
MW-31	12/29/11			7.83							
MW-31	1/9/12			7.59							
MW-31	1/17/12			7.63							
MW-31	1/23/12		7.62	7.56	0.04						
MW-31	1/31/12		7.51	7.59	0.08						
MW-31	2/6/12		7.56	7.59	0.03						
MW-31	2/13/12		7.65	7.77	0.12						
MW-31	2/21/12		7.67	7.68	0.01						
MW-31	2/28/12		7.49	7.52	0.03						
MW-31	3/9/12		7.80	7.61	0.01						
MW-31	3/23/12		7.55	7.58	0.03						
MW-31	3/27/12		7.51	7.58	0.05						
MW-31	4/5/12		7.85	7.87	0.02						
MW-31	4/10/12		7.85	7.86	0.01						
MW-31	4/16/12		7.44	7.45	0.01						
MW-31	4/24/12			7.65							
MW-31	5/4/12		7.57	7.58	0.01						

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Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGC/IER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-31	5/10/12		7.53	7.54	0.01						
MW-31	5/25/12			7.63							
MW-31	5/29/12		7.83	7.91	0.08						
MW-31	6/8/12		7.83	7.87	0.04						
MW-31	6/14/12		7.86	7.88	0.02						
MW-31	6/19/12		7.90	7.92	0.02						
MW-31	6/29/12		7.91	7.92	0.01						
MW-31	7/3/12		7.92	7.93	0.01						
MW-31	7/11/12		8.20	8.33	0.13						
MW-31	7/16/12		8.15	8.30	0.15						
MW-31	8/1/12		8.03	8.07	0.04						
MW-31	8/10/12		7.91	8.15	0.24						
MW-31	9/7/12			8.30							
MW-31	9/13/12			8.20							
MW-31	10/3/12			8.32							
MW-31	11/27/12		8.45	8.75	0.30						
MW-31	12/3/12		8.22	8.57	0.35						
MW-31	12/6/12		8.75	8.90	0.15						
MW-31	6-Dec-12 ^A		8.32	8.45	0.13						
MW-31	12/10/12		8.38	8.80	0.42						
MW-31	10-Dec-12 ^A			8.45							
MW-31	12/14/12		8.40	8.90	0.50						
MW-31	14-Dec-12 ^A		8.44	8.46	0.02						
MW-31	12/18/12		8.27	8.55	0.28						
MW-31	12/27/12		8.22	8.30	0.08						
MW-31	1/7/13		8.35	8.36	0.01						
MW-31	1/14/13		Sheen	7.97	Sheen						
MW-31	1/28/13		8.19	8.62	0.43						
MW-31	2/6/13		8.00	8.08	0.08						
MW-31	2/11/13		7.65	7.66	0.01						
MW-31	2/18/13			7.89							
MW-31	2/27/13			7.82							
MW-31	3/4/13		7.89	7.90	0.01						
MW-31	4/25/13			7.55							
MW-32	5/19/09			7.43							
MW-32	7/16/09			7.69							
MW-32	8/25/09			7.72							
MW-32	9/1/09			7.58							
MW-32	9/10/09			7.74							
MW-32	9/17/09			7.81							
MW-32	9/24/09			7.78							
MW-32	10/1/09			7.83							
MW-32	10/7/09			7.67							
MW-32	10/23/09			7.43							
MW-32	6/22/10			7.49							
MW-32	6/30/10			7.48							
MW-32	7/6/10			7.58							
MW-32	7/13/10			7.57							
MW-32	7/20/10			7.67							
MW-32	7/27/10			7.45							
MW-32	8/18/10			7.52							
MW-32	8/24/10			7.56							
MW-32	8/31/10		7.67	7.69	0.02						
MW-32	9/21/10			7.68							
MW-32	9/30/10			7.54							
MW-32	10/12/10			7.83							
MW-32	11/3/10			7.82							
MW-32	11/15/10			7.91							
MW-32	12/2/10			7.84							
MW-32	12/10/10			7.81							
MW-32	12/22/10			7.92							
MW-32	12/27/10			7.96							
MW-32	1/10/11			7.88							
MW-32	3/2/11			7.51							
MW-32	4/14/11			7.51			0.757	0.174	0.0903	0.343	0.0104
MW-32	12/3/12			8.29							
MW-32	12/6/12			8.40							
MW-32	12/10/12			8.38							
MW-32	12/14/12			8.35							
MW-32	12/16/12			8.14							

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-32	12/27/12			8.05							
MW-32	1/7/13			8.21							
MW-32	1/14/13			8.05							
MW-32	1/14/13			8.15							
MW-32	1/28/13			7.98							
MW-32	2/6/13			7.58							
MW-32	2/11/13			7.85							
MW-32	2/18/13			7.86							
MW-32	2/27/13			7.83							
MW-32	3/4/13			7.73							
MW-32	3/25/13			7.82							
MW-32	4/4/13			7.85							
MW-32	4/8/13			7.17							
MW-32	4/15/13			7.55							
MW-32	5/8/13			7.60							
MW-32	5/23/13						0.764	<0.005	0.0052	<0.015	0.0118
RW-1	1/6/09			6.10							
RW-1	5/19/09			6.39							
RW-1	8/25/09			6.22							
RW-1	9/1/09			6.35							
RW-1	9/10/09			6.38							
RW-1	9/17/09			6.35							
RW-1	9/24/09			6.40							
RW-1	10/1/09			6.27							
RW-1	10/7/09			6.03							
RW-1	10/23/09			6.49							
RW-1	1/10/11			6.12			1.09	0.0196	0.007	0.0361	0.0076
RW-1	4/14/11			7.20							
RW-1	12/3/12			6.38							
RW-1	12/6/12			6.30							
RW-1	12/10/12			6.35							
RW-1	12/14/12			6.20							
RW-1	12/18/12			6.19							
RW-1	12/27/12			6.30							
RW-1	1/7/13			6.10							
RW-1	1/14/13			6.13							
RW-1	1/28/13			6.91							
RW-1	2/6/13			6.55							
RW-1	2/11/13			6.78							
RW-1	2/18/13			6.74	Sheen		1.520	0.245	0.0399	0.223	<0.0019
RW-1	2/21/13		Sheen	6.80	Sheen						
RW-1	2/27/13		Sheen	6.78							
RW-1	3/4/13			6.88	Sheen						
RW-1	3/25/13		Sheen	6.74	Sheen						
RW-1	4/4/13			6.72							
RW-1	4/8/13			6.42	Sheen						
RW-1	4/15/13		Sheen	6.09							
RW-1	4/22/13			6.43							
RW-1	5/8/13			6.64	Sheen						
RW-1	5/23/13		Sheen	6.45							
RW-1	7/3/13			4.58		103.43	0.44	0.0097	0.028	0.11	0.01
RW-1 (04)	4/21/05	108.01		2.42		105.59					
RW-1 (04)	12/29/08	108.01		3.93		104.08					
RW-1 (04)	1/5/09	108.01		5.35		102.66					
RW-1 (04)	1/10/11	108.01		4.96		103.05					
RW-1 (04)	12/6/12	108.01		4.76		103.25					
RW-1 (04)	12/10/12	108.01		4.85		103.16					
RW-1 (04)	12/14/12	108.01		4.70	Sheen	103.31					
RW-1 (04)	12/18/12	108.01	Sheen	4.60		103.41					
RW-1 (04)	12/27/12	108.01		4.78		103.23					
RW-1 (04)	1/7/13	108.01		4.62		103.39					
RW-1 (04)	1/14/13	108.01		4.52		103.49					
RW-1 (04)	1/28/13	108.01		4.59		103.42					
RW-1 (04)	2/6/13	108.01		4.60		103.41					
RW-1 (04)	2/11/13	108.01		4.30		103.71					
RW-1 (04)	2/18/13	108.01		4.13		103.88	0.0064	0.0258	0.0076	0.0598	<0.00038
RW-1 (04)	2/21/13	108.01		4.39		103.62					
RW-1 (04)	2/27/13	108.01		4.40		103.61					
RW-1 (04)	3/4/13	108.01		4.15		103.86					
RW-1 (04)	3/25/13	108.01		4.36		103.65					
RW-1 (04)	4/4/13	108.01									

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-1 (04)	4/8/13	108.01		4.45		103.56					
RW-1 (04)	4/15/13	108.01		3.15		104.86					
RW-1 (04)	4/22/13	108.01		2.80		105.21					
RW-1 (04)	5/8/13	108.01		4.11		103.90					
RW-1 (04)	5/23/13	108.01		4.18		103.83					
RW-1 (04)	7/3/13	108.01		4.17		103.84					
RW-2	4/1/09			9.40							
RW-2	5/19/09			9.70							
RW-2	7/16/09			9.72							
RW-2	8/18/09			9.72							
RW-2	8/25/09			9.73							
RW-2	9/1/09			9.72							
RW-2	9/10/09			9.72							
RW-2	9/17/09			9.73							
RW-2	9/24/09			9.74							
RW-2	10/1/09			9.73							
RW-2	10/7/09			9.72							
RW-2	10/23/09			9.72							
RW-2	6/22/10		9.72	9.73	0.01						
RW-2	6/30/10		9.72	9.73	0.01						
RW-2	7/6/10			9.73							
RW-2	7/13/10			9.72							
RW-2	7/20/10			9.73							
RW-2	7/27/10			9.72							
RW-2	8/18/10			9.72							
RW-2	8/24/10			9.74							
RW-2	8/31/10			9.78							
RW-2	9/21/10			9.76							
RW-2	9/30/10			9.72							
RW-2	10/12/10			9.73							
RW-2	11/3/10			9.81							
RW-2	11/15/10			9.75							
RW-2	12/2/10			9.80							
RW-2	12/10/10			9.20							
RW-2	12/22/10			9.75							
RW-2	12/27/10			9.76							
RW-2	12/29/10			9.75							
RW-2	1/5/11			9.71							
RW-2	1/10/11			9.76							
RW-2	3/2/11			9.72							
RW-2	4/14/11			6.75							
RW-2	12/3/12			6.72							
RW-2	12/6/12			6.78							
RW-2	12/10/12			6.45							
RW-2	12/14/12			6.78							
RW-2	12/18/12			6.79							
RW-2	12/27/12			6.75							
RW-2	1/7/13		Sheen	6.78	Sheen						
RW-2	1/14/13			6.78							
RW-2	1/28/13			6.78							
RW-2	2/6/13			6.80							
RW-2	2/11/13			7.83							
RW-2	2/18/13			6.80							
RW-2	2/21/13			DRY							
RW-2	3/4/13			DRY							
RW-2	3/25/13			DRY							
RW-2	4/15/13			DRY							
RW-2	4/22/13			6.72							
RW-2	5/8/13			7.20							
RW-3	5/19/09			7.20	7.34	0.14					
RW-3	6/17/09		7.20	7.52	7.53	0.01					
RW-3	7/16/09		7.50	7.50	7.52	0.02					
RW-3	7/27/09		7.58	7.58	7.59	0.01					
RW-3	8/18/09		7.55	7.55	7.57	0.02					
RW-3	8/25/09		7.34	7.34	7.47	0.13					
RW-3	9/1/09		7.71	7.71	7.72	0.01					
RW-3	9/10/09		7.70	7.70	7.71	0.01					
RW-3	9/17/09		7.58	7.58	7.60	0.02					
RW-3	9/24/09		7.69	7.69	7.70	0.01					
RW-3	10/1/09										

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Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-3	10/1/09		7.48	7.49	0.01						
RW-3	10/23/09		7.43	7.46	0.03						
RW-3	10/28/09		7.38	7.39	0.01						
RW-3	11/9/09		7.53	7.55	0.02						
RW-3	11/24/09		7.55	7.56	0.01						
RW-3	12/3/09		7.40	7.42	0.02						
RW-3	12/8/09		7.42	7.45	0.03						
RW-3	12/17/09		7.42	7.51	0.09						
RW-3	12/22/09		7.65	7.80	0.15						
RW-3	12/28/09		7.16	7.19	0.03						
RW-3	1/6/10		7.58	7.65	0.07						
RW-3	1/11/10		7.50	7.55	0.05						
RW-3	1/19/10		7.52	7.54	0.02						
RW-3	1/25/10		6.98	6.99	0.01						
RW-3	2/2/10		7.86	7.89	0.03						
RW-3	2/8/10		7.45	7.48	0.03						
RW-3	2/16/10		7.56	7.57	0.01						
RW-3	2/22/10		7.52	7.54	0.02						
RW-3	3/1/10			7.40							
RW-3	3/8/10			7.52							
RW-3	3/18/10			7.07							
RW-3	3/24/10			7.12							
RW-3	3/29/10			7.14							
RW-3	4/21/10		7.59	7.60	0.01						
RW-3	4/27/10			7.36							
RW-3	5/4/10		7.34	7.37	0.03						
RW-3	5/10/10		7.35	7.39	0.04						
RW-3	5/19/10		7.40	7.44	0.04						
RW-3	5/25/10		6.03	6.12	0.09						
RW-3	6/2/10		6.05	6.15	0.10						
RW-3	6/8/10		6.00	6.10	0.10						
RW-3	6/16/10		6.02	6.12	0.10						
RW-3	6/22/10		6.06	6.09	0.03						
RW-3	6/30/10		6.05	6.08	0.03						
RW-3	7/6/10		6.05	6.08	0.03						
RW-3	7/13/10		6.01	6.04	0.03						
RW-3	7/20/10		6.04	6.06	0.02						
RW-3	7/27/10		6.07	6.09	0.02						
RW-3	8/18/10		7.49	7.50	0.01						
RW-3	8/24/10		7.50	7.51	0.01						
RW-3	8/31/10		7.48	7.49	0.01						
RW-3	9/21/10		7.51	7.52	0.01						
RW-3	9/30/10		7.49	7.51	0.02						
RW-3	10/12/10		7.54	7.56	0.02						
RW-3	11/3/10		7.53	8.03	0.50						
RW-3	11/15/10		7.65	8.12	0.47						
RW-3	12/2/10		7.02	7.08	0.06						
RW-3	12/10/10		7.06	7.13	0.07						
RW-3	12/22/10		8.05	8.08	0.03						
RW-3	12/27/10		8.03	8.07	0.04						
RW-3	12/27/10		8.04	8.08	0.04						
RW-3	12/29/10		7.69	8.19	0.50						
RW-3	1/5/11		7.90	7.91	0.01						
RW-3	5-Jan-11 ^A			7.57							
RW-3	1/10/11			8.46	0.51						
RW-3	1/13/11		7.95	8.00							
RW-3	13-Jan-11 ^A			7.90	0.30						
RW-3	1/17/11		7.60	8.34	0.65						
RW-3	1/28/11		7.69	8.05	0.10						
RW-3	28-Jan-11 ^A		7.95	7.83							
RW-3	2/7/11			7.19	0.13						
RW-3	2/22/11		7.06	7.49	0.04						
RW-3	3/2/11		7.45	7.34	0.02						
RW-3	3/7/11		7.32	7.21	0.01						
RW-3	3/14/11		7.20	8.00							
RW-3	3/21/11			7.05							
RW-3	3/28/11			7.07							
RW-3	4/5/11			7.43	0.01						
RW-3	4/12/11		7.42	7.25	0.01						
RW-3	4/14/11		7.24	7.18							
RW-3	4/19/11										

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Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-3	4/26/11		6.71	6.72	0.01						
RW-3	5/5/11		7.05	7.07	0.02						
RW-3	5/11/11		7.29	7.30	0.01						
RW-3	5/17/11			7.30							
RW-3	5/23/11			7.22							
RW-3	6/2/11		7.04	7.05	0.01						
RW-3	6/27/11		7.32	7.34	0.02						
RW-3	7/6/11		7.46	7.50	0.04						
RW-3	7/18/11		7.82	7.83	0.01						
RW-3	7/26/11			7.43							
RW-3	8/2/11			7.20							
RW-3	8/9/11			7.30							
RW-3	8/15/11			7.35							
RW-3	8/22/11			7.38							
RW-3	8/29/11		7.49	7.50	0.01						
RW-3	9/7/11			7.60							
RW-3	9/13/11			7.90							
RW-3	9/20/11			7.82							
RW-3	9/27/11			7.99							
RW-3	10/3/11			7.96							
RW-3	10/11/11			8.03							
RW-3	10/18/11			7.50							
RW-3	10/25/11			7.45							
RW-3	11/4/11			7.41							
RW-3	11/10/11			7.55							
RW-3	11/21/11			7.49							
RW-3	11/30/11			7.33							
RW-3	12/6/11			7.24							
RW-3	12/12/11			7.37							
RW-3	12/19/11		7.29	7.30	0.01						
RW-3	12/29/11			7.42							
RW-3	1/9/12			7.39							
RW-3	1/17/12			7.38							
RW-3	1/23/12			7.30							
RW-3	1/31/12			7.29							
RW-3	2/6/12		Sheen	7.30	Sheen						
RW-3	2/13/12		7.43	7.44	0.01						
RW-3	2/21/12		Sheen	7.42	Sheen						
RW-3	2/28/12		Sheen	7.24	Sheen						
RW-3	3/9/12			7.32							
RW-3	3/23/12		Sheen	7.32	Sheen						
RW-3	3/27/12			7.29							
RW-3	4/5/12			7.42							
RW-3	4/10/12			7.49							
RW-3	4/16/12		7.06	7.07	0.01						
RW-3	4/24/12			7.30							
RW-3	5/4/12			7.27							
RW-3	5/10/12		Sheen	7.21	Sheen						
RW-3	5/16/12			7.38							
RW-3	5/25/12			7.42							
RW-3	5/29/12			7.46							
RW-3	6/8/12			7.43							
RW-3	6/14/12			7.54							
RW-3	6/19/12			7.54							
RW-3	6/29/12			7.68							
RW-3	7/3/12			7.74							
RW-3	7/11/12			7.78							
RW-3	7/16/12		7.81	7.82	0.01						
RW-3	8/1/12			7.78							
RW-3	8/10/12		Sheen	7.69	Sheen						
RW-3	9/7/12		Sheen	7.85	Sheen						
RW-3	9/13/12			7.89							
RW-3	10/3/12			8.02							
RW-3	11/27/12		7.47	8.40	0.93						
RW-3	12/3/12		7.47	8.45	0.98						
RW-3	12/6/12		7.75	8.55	0.80						
RW-3	6-Dec-12 ^A		7.75	7.78	0.03						
RW-3	12/10/12		7.53	8.12	0.59						
RW-3	10-Dec-12 ^A		8.00	8.02	0.02						
RW-3	12/14/12		7.55	8.51	0.96						

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Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-3	14-Dec-12 ^a			7.90							
RW-3	12/18/12		7.40	8.05	0.65						
RW-3	12/27/12		7.38	7.58	0.20						
RW-3	1/7/13		7.60	7.51	0.01						
RW-3	1/14/13		Sheen	7.37	Sheen						
RW-3	1/21/13			7.49							
RW-3	1/28/13		7.51	8.17	0.66						
RW-3	2/6/13			7.39							
RW-3	2/11/13			7.03							
RW-3	2/18/13			7.22							
RW-3	2/21/13			7.21			4.930	9.090	1.590	10.600	<0.0190
RW-3	2/27/13			7.26							
RW-3	3/4/13		7.22	7.23	0.01						
RW-3	3/25/13			7.14							
RW-3	4/4/13			7.20							
RW-3	4/8/13			7.01							
RW-3	4/15/13			6.87							
RW-3	4/22/13			6.46							
RW-3	5/8/13			6.94							
RW-3	5/23/13			6.97							
RW-3	7/3/13			6.87							
RW-4	5/19/09			7.36							
RW-4	6/17/09			7.37							
RW-4	7/16/09			7.63							
RW-4	8/11/09		7.53	7.57	0.04						
RW-4	8/18/09		7.70	7.71	0.01						
RW-4	8/25/09		7.70	7.71	0.01						
RW-4	9/1/09		7.51	7.53	0.02						
RW-4	9/10/09		7.68	7.70	0.02						
RW-4	9/17/09			7.76							
RW-4	9/24/09		7.68	7.70	0.02						
RW-4	10/1/09		7.73	7.74	0.01						
RW-4	10/7/09		7.58	7.60	0.02						
RW-4	10/23/09		7.35	7.40	0.05						
RW-4	10/28/09		7.39	7.50	0.11						
RW-4	11/9/09		7.55	7.56	0.01						
RW-4	11/24/09		7.65	7.83	0.18						
RW-4	12/3/09		7.58	7.70	0.12						
RW-4	12/8/09		7.60	7.74	0.14						
RW-4	12/17/09		7.55	7.63	0.08						
RW-4	12/22/09		7.61	7.75	0.14						
RW-4	12/28/09		7.16	7.27	0.11						
RW-4	1/6/10		7.50	7.60	0.10						
RW-4	1/11/10		7.58	7.71	0.13						
RW-4	1/19/10		7.62	7.73	0.11						
RW-4	1/25/10		7.14	7.21	0.07						
RW-4	2/2/10		7.48	7.60	0.12						
RW-4	2/8/10		7.56	7.74	0.18						
RW-4	2/16/10		7.60	7.80	0.20						
RW-4	2/22/10		7.50	7.63	0.13						
RW-4	3/1/10		7.51	7.61	0.10						
RW-4	3/8/10		7.38	7.45	0.07						
RW-4	3/18/10		7.18	7.30	0.12						
RW-4	3/24/10		7.26	7.38	0.12						
RW-4	3/29/10		7.34	7.49	0.15						
RW-4	4/21/10		7.42	7.61	0.19						
RW-4	4/27/10		7.43	7.60	0.17						
RW-4	5/4/10		7.43	7.60	0.17						
RW-4	5/10/10		7.41	7.56	0.15						
RW-4	5/19/10		7.25	7.37	0.12						
RW-4	5/25/10		7.35	7.49	0.14						
RW-4	6/2/10		7.35	7.52	0.17						
RW-4	6/8/10		7.31	7.43	0.12						
RW-4	6/16/10		7.37	7.54	0.17						
RW-4	6/22/10		7.36	7.53	0.17						
RW-4	6/30/10		7.36	7.52	0.16						
RW-4	7/8/10			7.48							
RW-4	7/13/10		7.45	7.68	0.23						
RW-4	7/20/10		7.54	7.82	0.28						
RW-4	7/27/10		7.33	7.51	0.18						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-4	8/18/10		7.38	7.68	0.30						
RW-4	8/24/10		7.43	7.75	0.32						
RW-4	8/31/10		7.53	7.92	0.39						
RW-4	9/21/10		7.54	7.92	0.38						
RW-4	9/30/10		7.53	7.61	0.08						
RW-4	10/12/10		7.68	8.08	0.38						
RW-4	11/3/10		7.68	8.10	0.42						
RW-4	11/15/10		7.72	8.08	0.36						
RW-4	12/2/10		7.65	8.35	0.70						
RW-4	12/10/10		7.62	8.33	0.71						
RW-4	12/22/10		7.75	8.62	0.87						
RW-4	12/27/10		7.73	8.63	0.90						
RW-4	12/29/10		8.37	8.65	0.28						
RW-4	1/5/11		7.59	8.32	0.73						
RW-4	5-Jan-11 ^A		7.93	7.95	0.02						
RW-4	1/13/11		7.89	8.15	0.26						
RW-4	13-Jan-11 ^A		7.99	8.02	0.03						
RW-4	1/17/11			7.93							
RW-4	1/28/11		7.83	8.68	0.85						
RW-4	28-Jan-11 ^A			8.23							
RW-4	2/7/11		8.05	8.08	0.03						
RW-4	2/22/11			7.25							
RW-4	3/2/11		7.41	7.42	0.01						
RW-4	3/7/11		7.28	7.29	0.01						
RW-4	3/14/11			7.38							
RW-4	3/21/11		7.01	7.02	0.01						
RW-4	3/28/11			7.30							
RW-4	4/5/11		7.43	7.44	0.01						
RW-4	4/12/11			7.38							
RW-4	4/14/11			7.42			10.2	16.3	1.69	11.8	<0.125
RW-4	4/19/11			7.08							
RW-4	4/26/11			6.91							
RW-4	5/5/11			7.32							
RW-4	5/11/11			7.45							
RW-4	5/17/11			7.47							
RW-4	5/23/11			7.15							
RW-4	6/2/11			7.20							
RW-4	6/27/11		7.45	7.51	0.06						
RW-4	7/6/11		7.60	7.65	0.05						
RW-4	7/18/11		7.72	7.78	0.06						
RW-4	7/26/11		7.40	7.43	0.03						
RW-4	8/2/11		7.40	7.44	0.04						
RW-4	8/9/11		7.34	7.35	0.01						
RW-4	8/15/11		7.45	7.51	0.06						
RW-4	8/22/11			7.38							
RW-4	8/29/11			1.48							
RW-4	9/7/11			7.52							
RW-4	9/13/11		7.67	7.80	0.13						
RW-4	9/20/11		7.82	7.73	0.11						
RW-4	9/27/11		7.41	7.43	0.02						
RW-4	10/3/11		7.51	7.53	0.02						
RW-4	10/11/11		7.52	7.54	0.02						
RW-4	10/18/11		7.60	7.68	0.08						
RW-4	10/25/11		7.53	7.59	0.06						
RW-4	11/4/11		7.52	7.55	0.03						
RW-4	11/10/11		Sheen	7.29	Sheen						
RW-4	11/21/11		7.48	7.50	0.02						
RW-4	11/30/11		7.50	7.51	0.01						
RW-4	12/6/11			7.39							
RW-4	12/12/11		7.53	7.54	0.01						
RW-4	12/19/11			7.44							
RW-4	1/9/12			7.42							
RW-4	1/17/12			7.45							
RW-4	1/23/12			7.45							
RW-4	1/31/12			7.45							
RW-4	2/6/12		Sheen	7.43	Sheen						
RW-4	2/13/12		Sheen	7.59	Sheen						
RW-4	2/21/12			7.58							
RW-4	2/28/12		Sheen	7.40	Sheen						
RW-4	3/9/12			7.38							

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Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-4	3/23/12		Sheen	7.46	Sheen						
RW-4	3/27/12			7.43							
RW-4	4/5/12			7.55							
RW-4	4/10/12			7.61							
RW-4	4/16/12			7.25							
RW-4	4/24/12			7.45							
RW-4	5/4/12			7.43							
RW-4	5/10/12			7.37							
RW-4	5/16/12			7.49							
RW-4	5/25/12			7.54							
RW-4	5/29/12		7.59	7.62	0.03						
RW-4	6/8/12			7.58							
RW-4	6/14/12		7.56	7.57	0.01						
RW-4	6/19/12		7.58	7.60	0.02						
RW-4	6/29/12			7.81							
RW-4	7/3/12			7.91							
RW-4	7/11/12			7.92							
RW-4	7/16/12			7.95							
RW-4	8/1/12			7.64							
RW-4	8/10/12			7.79							
RW-4	9/7/12			7.92							
RW-4	9/13/12			7.98							
RW-4	10/3/12		8.09	8.10	0.01						
RW-4	11/27/12			7.67							
RW-4	12/3/12		7.69	8.05	0.36						
RW-4	12/6/12		7.92	8.18	0.26						
RW-4	6-Dec-12 ^A		7.80	7.92	0.12						
RW-4	12/10/12		7.75	7.78	0.03						
RW-4	10-Dec-12 ^A		7.70	7.71	0.01						
RW-4	12/14/12		7.83	7.85	0.02						
RW-4	12/18/12			7.55							
RW-4	12/27/12			7.55							
RW-4	1/7/13			7.71							
RW-4	1/14/13		Sheen	7.54	Sheen						
RW-4	1/21/13			7.68							
RW-4	1/28/13			7.75							
RW-4	2/6/13		Sheen	7.47	Sheen						
RW-4	2/11/13		Sheen	7.15	Sheen						
RW-4	2/18/13			7.35							
RW-4	2/21/13		Sheen	7.30	Sheen	1.250	1.930	0.481	5.240	<0.0076	
RW-4	2/27/13		Sheen	7.31	Sheen						
RW-4	3/4/13			7.33							
RW-4	3/25/13			6.95							
RW-4	4/4/13			7.26							
RW-4	4/8/13			7.14							
RW-4	4/15/13			6.81							
RW-4	4/22/13			6.41							
RW-4	5/2/13		7.01	7.02	0.01						
RW-4	5/23/13			7.03							
RW-4	7/3/13			6.95							
RW-5	5/19/09		6.93	8.40	1.47						
RW-5	6/17/09		7.01	8.13	1.12						
RW-5	7/16/09			7.51							
RW-5	8/11/09		7.51	8.05	0.54						
RW-5	8/18/09		7.38	8.51	1.13						
RW-5	8/25/09		7.37	8.54	1.17						
RW-5	9/1/09		7.18	8.28	1.10						
RW-5	9/10/09		7.31	8.63	1.32						
RW-5	9/17/09		7.39	7.42	0.03						
RW-5	9/24/09		7.39	8.61	1.22						
RW-5	10/1/09		7.44	7.47	0.03						
RW-5	10/7/09			7.35							
RW-5	10/23/09		7.16	7.41	0.25						
RW-5	10/28/09		7.19	7.33	0.14						
RW-5	11/9/09		7.33	7.34	0.01						
RW-5	11/24/09		7.42	8.33	0.91						
RW-5	12/3/09		7.32	8.18	0.86						
RW-5	12/8/09		7.38	8.25	0.87						
RW-5	12/17/09		7.30	8.23	0.93						
RW-5	12/22/09		7.33	7.55	0.22						

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Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIGR - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-5	12/28/09		7.07	7.30	0.23						
RW-5	1/6/10		7.40	7.88	0.48						
RW-5	1/11/10		7.48	7.94	0.46						
RW-5	1/19/10		7.54	7.87	0.33						
RW-5	1/25/10		7.09	7.10	0.01						
RW-5	2/2/10		7.31	7.33	0.02						
RW-5	2/8/10		7.53	8.10	0.57						
RW-5	2/16/10		7.50	8.18	0.68						
RW-5	2/22/10		7.39	7.78	0.39						
RW-5	3/1/10		7.40	7.86	0.46						
RW-5	3/8/10		7.51	7.91	0.40						
RW-5	3/18/10		7.08	7.30	0.22						
RW-5	3/24/10		7.09	7.51	0.42						
RW-5	3/29/10		7.19	7.73	0.54						
RW-5	4/21/10		7.25	7.92	0.67						
RW-5	4/27/10		7.24	7.92	0.68						
RW-5	5/4/10		7.24	7.90	0.66						
RW-5	5/10/10		7.80	7.92	0.12						
RW-5	5/19/10		7.04	7.80	0.76						
RW-5	5/25/10		7.18	7.25	0.07						
RW-5	6/2/10		7.20	7.29	0.09						
RW-5	6/8/10		7.25	7.33	0.08						
RW-5	6/16/10		7.24	7.32	0.08						
RW-5	6/22/10			7.25							
RW-5	6/30/10			7.23							
RW-5	7/6/10			7.31							
RW-5	7/13/10			7.30							
RW-5	7/20/10			7.28							
RW-5	7/27/10			7.25							
RW-5	8/18/10			7.30							
RW-5	8/24/10			7.26							
RW-5	8/31/10			7.23							
RW-5	9/21/10			7.33							
RW-5	9/30/10			7.26							
RW-5	10/12/10		7.52	7.88	0.36						
RW-5	11/3/10		7.69	8.30	0.61						
RW-5	11/15/10		7.71	8.31	0.60						
RW-5	12/2/10		7.67	8.35	0.68						
RW-5	12/10/10		7.66	8.21	0.55						
RW-5	12/22/10		7.78	8.66	0.88						
RW-5	12/27/10		7.76	8.65	0.89						
RW-5	12/29/10		8.34	8.62	0.28						
RW-5	1/5/11		7.63	8.34	0.71						
RW-5	5-Jan-11 ^A		7.90	7.93	0.03						
RW-5	1/13/11		7.71	8.54	0.83						
RW-5	13-Jan-11 ^A			8.00							
RW-5	1/17/11		7.94	8.34	0.40						
RW-5	1/28/11		7.83	8.68	0.85						
RW-5	28-Jan-11 ^A		8.21	8.23	0.02						
RW-5	2/7/11		7.90	7.92	0.02						
RW-5	2/22/11		7.25	7.26	0.01						
RW-5	3/2/11		7.49	7.51	0.02						
RW-5	3/7/11		7.50	7.52	0.02						
RW-5	3/14/11		7.29	7.30	0.01						
RW-5	3/21/11			6.89							
RW-5	3/28/11			7.17							
RW-5	4/5/11		7.05	7.07	0.02						
RW-5	4/12/11			7.40							
RW-5	4/14/11		7.42	7.43	0.01						
RW-5	4/19/11			7.38							
RW-5	4/26/11			6.81							
RW-5	5/5/11		7.21	7.26	0.05						
RW-5	5/11/11			7.82							
RW-5	5/17/11		7.39	7.47	0.08						
RW-5	5/23/11		7.22	7.27	0.05						
RW-5	6/2/11		7.18	7.22	0.04						
RW-5	6/27/11		7.43	7.60	0.17						
RW-5	7/6/11		7.65	7.67	0.02						
RW-5	7/18/11		7.48	8.33	0.85						
RW-5	7/28/11			7.29							

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399 West Liberty Street
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Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-5	8/2/11		7.28	7.58	0.30						
RW-5	8/9/11		7.25	7.41	0.16						
RW-5	8/15/11		7.32	7.68	0.36						
RW-5	8/22/11		7.27	7.47	0.20						
RW-5	8/29/11		7.36	7.78	0.42						
RW-5	9/7/11		7.44	8.06	0.62						
RW-5	9/13/11		7.47	8.22	0.75						
RW-5	9/20/11		7.52	8.02	0.50						
RW-5	9/27/11		7.95	8.15	0.20						
RW-5	10/3/11		8.05	8.20	0.15						
RW-5	10/11/11		8.23	8.33	0.10						
RW-5	10/18/11		7.66	7.93	0.27						
RW-5	10/25/11		7.76	7.88	0.12						
RW-5	11/4/11		7.70	7.84	0.14						
RW-5	11/10/11		7.46	7.50	0.04						
RW-5	11/21/11		7.44	7.46	0.02						
RW-5	11/30/11		7.41	7.44	0.03						
RW-5	12/6/11			7.31							
RW-5	12/12/11		7.41	7.60	0.19						
RW-5	12/19/11		7.36	7.37	0.01						
RW-5	12/29/11			7.63							
RW-5	1/9/12			7.42							
RW-5	1/17/12			7.45							
RW-5	1/23/12		7.38	7.50	0.12						
RW-5	1/31/12		7.35	7.44	0.09						
RW-5	2/6/12		7.37	7.42	0.05						
RW-5	2/13/12		7.46	7.71	0.25						
RW-5	2/21/12		7.45	7.70	0.25						
RW-5	2/28/12		Sheen	7.31	Sheen						
RW-5	3/9/12		7.63	7.85	0.02						
RW-5	3/23/12		7.53	7.54	0.01						
RW-5	3/27/12			7.23							
RW-5	4/5/12			7.26							
RW-5	4/10/12			7.30							
RW-5	4/16/12			7.15							
RW-5	4/24/12		7.43	7.44	0.01						
RW-5	5/4/12		7.44	7.45	0.01						
RW-5	5/10/12		Sheen	7.41	Sheen						
RW-5	5/16/12			7.53							
RW-5	5/25/12			7.60							
RW-5	5/29/12		7.63	7.68	0.05						
RW-5	6/8/12			7.62							
RW-5	6/14/12		7.53	7.86	0.33						
RW-5	6/19/12		7.56	7.83	0.27						
RW-5	6/29/12		7.62	7.83	0.21						
RW-5	7/3/12		7.66	7.78	0.12						
RW-5	7/11/12		7.73	7.75	0.02						
RW-5	7/16/12		7.83	7.85	0.02						
RW-5	8/1/12		7.61	7.83	0.22						
RW-5	8/10/12		7.72	7.73	0.01						
RW-5	9/7/12		7.93	7.94	0.01						
RW-5	9/13/12		7.87	7.90	0.03						
RW-5	10/3/12		8.12	8.14	0.02						
RW-5	11/27/12		7.71	8.59	0.88						
RW-5	12/3/12		7.60	8.35	0.75						
RW-5	12/6/12		7.88	8.45	0.57						
RW-5	6-Dec-12 ^A		7.75	7.85	0.10						
RW-5	12/10/12		7.90	7.96	0.06						
RW-5	10-Dec-12 ^A		7.85	7.86	0.01						
RW-5	12/14/12		8.00	8.05	0.05						
RW-5	12/18/12		7.95	8.04	0.09						
RW-5	12/27/12		7.48	7.49	0.01						
RW-5	1/7/13		7.78	7.80	0.02						
RW-5	1/14/13		7.62	7.64	0.02						
RW-5	1/21/13		7.73	7.81	0.08						
RW-5	1/28/13		7.83	7.86	0.03						
RW-5	2/6/13		7.39	7.40	0.01						
RW-5	2/11/13		7.09	7.12	0.03						
RW-5	2/18/13		7.21	7.23	0.02						
RW-5	2/21/13		Sheen	7.19	Sheen		3.300	0.513	0.583	1.760	0.0081 J

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Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-5	2/27/13		7.22	7.23							
RW-5	3/4/13		7.20	7.21	0.01						
RW-5	3/25/13		7.07	7.08	0.01						
RW-5	4/4/13			8.00							
RW-5	4/8/13			7.11							
RW-5	4/15/13		6.79	6.80	0.01						
RW-5	4/22/13			6.37							
RW-5	5/8/13		6.86	6.90	0.04						
RW-5	5/23/13			6.90							
RW-5	7/3/13		6.83	6.84	0.01						
RW-6	5/19/09			7.05							
RW-6	7/16/09		7.25	7.83	0.58						
RW-6	7/27/09		7.28	7.92	0.64						
RW-6	8/11/09		7.31	8.04	0.73						
RW-6	8/18/09		7.40	8.02	0.62						
RW-6	8/25/09		7.33	8.02	0.69						
RW-6	9/1/09			7.32							
RW-6	9/10/09		7.43	7.70	0.27						
RW-6	9/17/09			7.63							
RW-6	9/24/09		7.57	7.60	0.03						
RW-6	10/1/09			7.61							
RW-6	10/7/09		7.45	7.46	0.01						
RW-6	10/23/09		7.41	7.42	0.01						
RW-6	10/28/09			7.22							
RW-6	11/9/09		7.33	7.42	0.09						
RW-6	11/24/09			7.51							
RW-6	12/3/09		7.34	7.38	0.04						
RW-6	12/8/09		7.54	7.59	0.05						
RW-6	12/17/09		7.31	7.40	0.09						
RW-6	12/22/09		7.42	7.55	0.13						
RW-6	1/6/10			7.23							
RW-6	1/11/10		7.40	7.42	0.02						
RW-6	1/19/10		7.41	7.42	0.01						
RW-6	1/25/10			6.87							
RW-6	2/2/10		7.25	7.28	0.03						
RW-6	2/8/10			7.34							
RW-6	2/16/10		7.39	7.40	0.01						
RW-6	2/22/10		7.25	7.30	0.05						
RW-6	3/1/10		7.25	7.31	0.06						
RW-6	3/8/10		7.11	7.17	0.06						
RW-6	3/18/10		6.92	6.98	0.06						
RW-6	3/24/10		6.95	7.01	0.06						
RW-6	3/29/10		7.01	7.07	0.06						
RW-6	4/21/10			7.28							
RW-6	4/27/10		7.25	7.26	0.01						
RW-6	5/4/10			7.30							
RW-6	5/10/10		7.20	7.21	0.01						
RW-6	5/19/10		6.96	7.04	0.08						
RW-6	5/25/10		7.12	7.20	0.08						
RW-6	6/2/10		7.10	7.15	0.05						
RW-6	6/8/10		7.03	7.13	0.10						
RW-6	6/16/10		7.15	7.20	0.05						
RW-6	6/22/10		7.13	7.19	0.06						
RW-6	6/30/10		7.11	7.17	0.06						
RW-6	7/6/10		7.25	7.37	0.12						
RW-6	7/13/10		7.24	7.33	0.09						
RW-6	7/20/10		7.37	7.46	0.09						
RW-6	7/27/10		7.09	7.19	0.10						
RW-6	8/18/10		7.16	7.34	0.18						
RW-6	8/24/10		7.19	7.33	0.14						
RW-6	8/31/10		7.30	7.67	0.37						
RW-6	9/21/10			7.32							
RW-6	9/30/10		7.35	7.72	0.37						
RW-6	10/12/10		7.45	8.02	0.57						
RW-6	11/3/10		7.43	8.08	0.65						
RW-6	11/15/10		7.50	8.12	0.62						
RW-6	12/2/10		7.50	8.09	0.59						
RW-6	12/10/10		7.42	8.04	0.62						
RW-6	12/22/10		7.60	8.20	0.60						
RW-6	12/27/10		7.64	8.22	0.58						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIEP - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-6	12/29/10		8.18	8.20	0.02						
RW-6	1/5/11		7.42	7.97	0.55						
RW-6	5-Jan-11 ^A		7.73	7.76	0.03						
RW-6	1/13/11		7.72	7.82	0.10						
RW-6	13-Jan-11 ^A		7.93	7.95	0.02						
RW-6	1/17/11		7.27	7.85	0.58						
RW-6	1/28/11		7.81	7.96	0.15						
RW-6	28-Jan-11 ^A		8.30	8.35	0.05						
RW-6	2/7/11			7.78							
RW-6	2/22/11		6.93	7.27	0.34						
RW-6	3/2/11		7.11	7.31	0.20						
RW-6	3/7/11		7.15	7.30	0.15						
RW-6	3/14/11		7.09	7.17	0.08						
RW-6	3/21/11		6.69	6.71	0.02						
RW-6	3/28/11		7.02	7.03	0.01						
RW-6	4/5/11		7.15	7.19	0.04						
RW-6	4/12/11		7.09	7.10	0.01						
RW-6	4/14/11		7.15	7.16	0.01						
RW-6	4/19/11			7.05							
RW-6	4/26/11		6.55	6.56	0.01						
RW-6	5/5/11		7.00	7.05	0.05						
RW-6	5/11/11		7.20	7.23	0.03						
RW-6	5/17/11		7.19	7.23	0.04						
RW-6	5/23/11			6.82							
RW-6	6/2/11		6.91	6.98	0.07						
RW-6	6/27/11		7.23	7.26	0.03						
RW-6	7/6/11		7.38	7.41	0.03						
RW-6	7/18/11		Sheen	7.59	Sheen						
RW-6	7/26/11			7.24							
RW-6	8/2/11			7.53							
RW-6	8/2/11			7.14							
RW-6	8/9/11			7.14							
RW-6	8/15/11		7.31	7.35	0.04						
RW-6	8/22/11			7.23							
RW-6	8/29/11			7.31							
RW-6	9/7/11			7.45							
RW-6	9/13/11			7.50							
RW-6	9/20/11			7.44							
RW-6	9/20/11			7.16							
RW-6	9/27/11			7.27							
RW-6	10/3/11			7.61							
RW-6	10/11/11			7.41							
RW-6	10/18/11			7.41							
RW-6	10/25/11			7.32							
RW-6	11/4/11			7.30							
RW-6	11/10/11		7.02	7.03	0.01						
RW-6	11/4/11			7.22							
RW-6	11/30/11		7.25	7.26	0.01						
RW-6	12/6/11		7.14	7.15	0.01						
RW-6	12/12/11			7.29							
RW-6	12/19/11			7.21							
RW-6	12/29/11			7.34							
RW-6	1/9/12			7.32							
RW-6	1/17/12			7.42							
RW-6	1/23/12			7.22							
RW-6	1/31/12			7.19							
RW-6	2/6/12			7.22							
RW-6	2/13/12			7.35							
RW-6	2/21/12			7.33							
RW-6	2/28/12		Sheen	7.11	Sheen						
RW-6	3/9/12			7.28							
RW-6	3/23/12		Sheen	7.20	Sheen						
RW-6	3/27/12			7.17							
RW-6	4/5/12			7.32							
RW-6	4/10/12			7.39							
RW-6	4/16/12			6.96							
RW-6	4/24/12			7.20							
RW-6	5/4/12			7.18							
RW-6	5/10/12			7.12							
RW-6	5/16/12		Sheen	7.28	Sheen						
RW-6	5/25/12		Sheen	7.31	Sheen						
RW-6	5/29/12			7.37							

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Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-6	6/8/12			7.34							
RW-6	6/14/12			7.44							
RW-6	6/19/12			7.48							
RW-6	6/29/12			7.63							
RW-6	7/3/12			7.72							
RW-6	7/11/12			7.77							
RW-6	7/16/12			7.80							
RW-6	8/1/12			7.62							
RW-6	8/10/12			7.65							
RW-6	9/7/12			7.85							
RW-6	9/13/12			7.91							
RW-6	10/3/12			8.18							
RW-6	11/27/12		7.12	8.09	0.97						
RW-6	12/3/12		7.16	8.13	0.97						
RW-6	12/6/12		7.22	8.20	0.98						
RW-6	6-Dec-12 ^A		7.41	7.48	0.07						
RW-6	12/10/12		7.13	7.87	0.74						
RW-6	10-Dec-12 ^A		7.85	7.90	0.05						
RW-6	12/14/12		7.18	7.96	0.78						
RW-6	14-Dec-12 ^A		7.75	7.76	0.01						
RW-6	12/18/12		7.05	7.70	0.65						
RW-6	12/27/12		7.00	7.40	0.40						
RW-6	1/7/13			7.17							
RW-6	1/14/13			6.97							
RW-6	1/28/13		7.16	7.95	0.79						
RW-6	2/6/13		6.99	7.00	0.01						
RW-6	2/11/13			6.70							
RW-6	2/18/13		Sheen	6.87	Sheen						
RW-6	2/21/13			6.80			0.281	1.130	0.392	2.700	0.0051 J
RW-6	2/27/13		6.86	6.87	0.01						
RW-6	3/4/13		6.86	6.87							
RW-6	3/25/13		6.71	6.72	0.01						
RW-6	4/4/13		6.82	6.83	0.01						
RW-6	4/8/13		6.67	6.68	0.01						
RW-6	4/15/13		Sheen	6.42	Sheen						
RW-6	4/22/13			9.02							
RW-6	5/8/13			6.47							
RW-6	5/23/13		Sheen	6.53	Sheen						
RW-6	7/3/13		Sheen	6.48	Sheen						
RW-7	12/3/12			7.16							
RW-7	12/6/12			7.21							
RW-7	12/10/12			7.10							
RW-7	12/14/12			7.19							
RW-7	12/18/12			7.01							
RW-7	12/27/12			6.90							
RW-7	1/7/13			7.11							
RW-7	1/14/13			6.95							
RW-7	1/28/13			7.93							
RW-7	2/6/13			6.90							
RW-7	2/11/13			6.62							
RW-7	2/18/13		Sheen	6.70	Sheen						
RW-7	2/21/13			6.71			0.620	0.465	0.211	0.754	0.0037 J
RW-7	2/27/13			6.73							
RW-7	3/4/13			6.73							
RW-7	3/25/13			6.60							
RW-7	4/4/13			6.69							
RW-7	4/8/13			6.64							
RW-7	4/15/13			6.30							
RW-7	4/22/13			5.94							
RW-7	5/8/13			6.41							
RW-7	5/23/13		Sheen	6.48	Sheen						
RW-7	7/3/13			6.37							
RW-8	12/3/12		7.00	8.25	1.25						
RW-8	12/6/12		7.01	8.31	1.30						
RW-8	6-Dec-12 ^A		7.10	8.15	1.05						
RW-8	12/10/12		7.00	8.10	1.10						
RW-8	10-Dec-12 ^A		7.76	7.79	0.03						
RW-8	12/14/12		6.99	8.09	1.10						
RW-8	14-Dec-12 ^A		8.30	8.63	0.33						
RW-8	12/18/12		6.95	7.75	0.80						

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Groundwater Elevations and Analytical Results

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399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							GOCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class 1 Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-8	12/27/12		6.97	7.35	0.38						
RW-8	1/7/13		7.02	7.22	0.20						
RW-8	1/14/13		7.05	7.06	0.01						
RW-8	1/21/13		6.99	7.80	0.81						
RW-8	1/28/13		7.04	7.98	0.94						
RW-8	2/6/13			7.00							
RW-8	2/11/13			6.60							
RW-8	2/18/13			6.82							
RW-8	2/21/13		Sheen	6.80	Sheen		4.140	8.700	1.300	7.670	<0.0190
RW-8	2/27/13			6.86							
RW-8	3/4/13		Sheen	6.83	Sheen						
RW-8	3/25/13			6.70							
RW-8	4/4/13		6.80	6.81	0.01						
RW-8	4/8/13		6.75	6.76	0.01						
RW-8	4/15/13		Sheen	6.45	Sheen						
RW-8	4/22/13			6.05							
RW-8	5/8/13		6.51	6.52	0.01						
RW-8	5/23/13			6.59							
RW-8	7/3/13			6.48							
RW-9	12/6/12			5.26							
RW-9	12/10/12			5.16							
RW-9	12/14/12			5.21							
RW-9	12/18/12			5.09							
RW-9	12/27/12			5.02							
RW-9	1/7/13			5.16							
RW-9	1/14/13		Sheen	5.06	Sheen						
RW-9	1/28/13			5.20							
RW-9	2/6/13			4.93							
RW-9	2/11/13			5.12							
RW-9	2/18/13			4.79							
RW-9	2/21/13		Sheen	4.74	Sheen		0.391	0.0130	0.0123	0.0050 J	0.0031
RW-9	2/27/13		Sheen	4.82	Sheen						
RW-9	3/4/13		Sheen	4.78	Sheen						
RW-9	3/25/13		Sheen	4.67	Sheen						
RW-9	4/4/13			4.75							
RW-9	4/8/13			4.69							
RW-9	4/15/13			4.38							
RW-9	4/22/13			4.05							
RW-9	5/8/13			4.49							
RW-9	5/23/13		Sheen	4.55	Sheen						
RW-9	7/3/13			4.45							
RW-10	12/3/12			7.62							
RW-10	12/6/12			7.65							
RW-10	12/10/12			7.61							
RW-10	12/14/12			7.62							
RW-10	12/18/12			7.51							
RW-10	12/27/12			7.43							
RW-10	1/7/13			7.62							
RW-10	1/14/13			7.42							
RW-10	1/28/13			7.80							
RW-10	2/6/13			7.39							
RW-10	2/11/13			7.07							
RW-10	2/18/13			7.26							
RW-10	2/21/13			7.23			0.00043 J	<0.00042	<0.00041	<0.0013	0.0028
RW-10	2/27/13			7.28							
RW-10	3/4/13			7.23							
RW-10	3/25/13			7.18							
RW-10	4/4/13			7.25							
RW-10	4/8/13			7.19							
RW-10	4/15/13			6.99							
RW-10	4/22/13			6.75							
RW-10	5/8/13			7.04							
RW-10	5/23/13			7.05							
RW-10	7/3/13			7.02							
S-1	7/16/09		7.49	7.59	0.10						
S-1	7/27/09		7.46	7.54	0.08						
S-1	8/11/09		7.71	7.79	0.08						
S-1	8/18/09		7.61	7.72	0.11						
S-1	8/25/09		7.53	7.61	0.08						
S-1	9/1/09		7.01	7.05	0.04						

Table 1

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Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-1	9/10/09		7.63	7.68	0.05						
S-1	9/17/09			7.86							
S-1	9/24/09		7.73	7.78	0.05						
S-1	10/1/09		7.87	7.89	0.02						
S-1	10/7/09		7.41	7.42	0.01						
S-1	10/23/09		6.79	6.81	0.02						
S-1	10/28/09		6.97	7.03	0.06						
S-1	11/9/09		7.33	7.38	0.05						
S-1	11/24/09		7.68	7.76	0.08						
S-1	12/3/09		7.40	7.46	0.06						
S-1	12/8/09		7.57	7.64	0.07						
S-1	12/17/09		7.31	7.39	0.08						
S-1	12/22/09		7.43	7.51	0.08						
S-1	12/28/09		6.52	6.59	0.07						
S-1	1/6/10		7.16	7.24	0.09						
S-1	1/11/10		7.38	7.45	0.07						
S-1	1/19/10		7.54	7.62	0.08						
S-1	1/25/10		7.01	7.04	0.03						
S-1	2/2/10		7.25	7.30	0.05						
S-1	2/8/10		7.37	7.42	0.05						
S-1	2/16/10		7.55	7.62	0.07						
S-1	2/22/10		7.43	7.47	0.04						
S-1	3/1/10		7.35	7.40	0.05						
S-1	3/8/10		7.45	7.49	0.04						
S-1	3/18/10		6.79	6.82	0.03						
S-1	3/24/10		6.75	6.79	0.04						
S-1	3/29/10		7.01	7.05	0.04						
S-1	4/21/10		7.45	7.51	0.06						
S-1	4/27/10		7.27	7.29	0.02						
S-1	5/4/10		7.27	7.30	0.03						
S-1	5/10/10		7.13	7.16	0.03						
S-1	5/19/10		6.58	6.65	0.07						
S-1	5/25/10		6.66	6.85	0.09						
S-1	6/2/10		6.95	7.04	0.09						
S-1	6/8/10		6.96	7.01	0.05						
S-1	6/16/10		7.02	7.06	0.04						
S-1	6/22/10		7.05	7.09	0.04						
S-1	6/30/10		7.05	7.09	0.04						
S-1	7/6/10		7.27	7.30	0.03						
S-1	7/13/10		7.27	7.35	0.08						
S-1	7/20/10		7.47	7.50	0.03						
S-1	7/27/10		6.95	7.00	0.05						
S-1	8/18/10		7.16	7.29	0.13						
S-1	8/24/10		7.29	7.41	0.12						
S-1	8/31/10		7.57	7.72	0.15						
S-1	9/21/10		7.58	7.61	0.03						
S-1	9/30/10		7.32	7.35	0.03						
S-1	10/12/10		7.87	8.19	0.32						
S-1	11/3/10		7.90	8.36	0.46						
S-1	11/15/10		7.93	8.35	0.42						
S-1	12/2/10		7.93	8.58	0.65						
S-1	12/10/10		7.97	8.54	0.57						
S-1	12/22/10		7.90	8.48	0.58						
S-1	12/27/10		7.92	8.50	0.58						
S-1	1/5/11		7.58	8.00	0.42						
S-1	5-Jan-11 ^A		9.56	9.63	0.07						
S-1	1/10/11		8.17	8.90	0.73						
S-1	1/13/11		8.22	8.96	0.74						
S-1	13-Jan-11 ^A		9.00	9.02	0.02						
S-1	1/17/11		9.02	9.30	0.28						
S-1	1/28/11		8.44	8.75	0.31						
S-1	28-Jan-11 ^A		10.32	10.40	0.08						
S-1	2/7/11		8.89	9.00	0.11						
S-1	2/22/11		7.85	7.91	0.06						
S-1	3/2/11		6.92	7.00	0.08						
S-1	3/7/11		6.99	7.04	0.05						
S-1	3/14/11		6.77	6.81	0.04						
S-1	3/21/11			6.57							
S-1	3/28/11		6.65	6.69	0.04						
S-1	4/5/11		6.94	6.97	0.03						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIEP - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-1	4/12/11		6.90	6.94	0.04						
S-1	4/14/11		6.97	7.02	0.05						
S-1	4/19/11		6.58	6.60	0.02						
S-1	4/26/11			6.28							
S-1	5/5/11		6.65	6.67	0.02						
S-1	5/11/11		6.92	6.94	0.02						
S-1	5/17/11		7.00	7.02	0.02						
S-1	5/23/11		6.99	7.00	0.01						
S-1	6/2/11		6.58	6.59	0.01						
S-1	6/27/11		7.08	7.10	0.02						
S-1	7/6/11		7.38	7.40	0.02						
S-1	7/18/11		7.71	7.74	0.03						
S-1	7/26/11		7.11	7.12	0.01						
S-1	8/2/11		7.03	7.05	0.02						
S-1	8/9/11		7.02	7.03	0.01						
S-1	8/15/11		7.15	7.17	0.02						
S-1	8/22/11		7.10	7.12	0.02						
S-1	8/29/11		7.13	7.14	0.01						
S-1	9/13/11		7.60	7.64	0.04						
S-1	9/20/11		7.51	7.53	0.02						
S-1	9/27/11			6.85							
S-1	10/3/11		6.99	7.00	0.01						
S-1	10/11/11		7.03	7.04	0.01						
S-1	10/18/11		7.36	7.38	0.02						
S-1	10/25/11		7.32	7.33	0.01						
S-1	11/4/11		7.32	7.33	0.01						
S-1	11/10/11		6.99	7.00	0.01						
S-1	11/21/11		Sheen	7.25	Sheen						
S-1	11/30/11			7.14							
S-1	12/6/11		7.17	7.18	0.01						
S-1	12/12/11			7.20							
S-1	12/19/11		Heavy sheen	7.16	Heavy sheen						
S-1	12/29/11			7.24							
S-1	1/9/12			7.42							
S-1	1/17/12			7.55							
S-1	1/23/12		Sheen	7.16	Sheen						
S-1	1/31/12		Sheen	7.26	Sheen						
S-1	2/6/12		Sheen	7.35	Sheen						
S-1	2/13/12		Sheen	7.44	Sheen						
S-1	2/21/12		Sheen	7.43	Sheen						
S-1	2/28/12		Sheen	7.18	Sheen						
S-1	3/9/12		Sheen	7.13	Sheen						
S-1	3/23/12		Sheen	7.09	Sheen						
S-1	3/27/12		Sheen	6.99	Sheen						
S-1	4/5/12			7.25							
S-1	4/10/12		Sheen	7.38	Sheen						
S-1	4/16/12			7.12							
S-1	4/24/12		Sheen	7.19	Sheen						
S-1	5/4/12		Sheen	7.12	Sheen						
S-1	5/10/12		Sheen	7.07	Sheen						
S-1	5/16/12		Sheen	7.22	Sheen						
S-1	5/25/12		Sheen	7.28	Sheen						
S-1	5/29/12			7.42							
S-1	6/8/12		Sheen	7.18	Sheen						
S-1	6/14/12			7.41							
S-1	6/19/12			7.42							
S-1	6/29/12		Sheen	7.76	Sheen						
S-1	7/3/12		Sheen	7.78	Sheen						
S-1	7/11/12			8.03							
S-1	7/16/12		Sheen	8.13	Sheen						
S-1	8/1/12		Sheen	7.30	Sheen						
S-1	8/10/12		Sheen	7.69	Sheen						
S-1	9/7/12		Sheen	8.05	Sheen						
S-1	9/13/12		Sheen	8.05	Sheen						
S-1	10/3/12		Sheen	8.39	Sheen						
S-1	11/27/12		Sheen	8.35	Sheen						
S-1	12/3/12		Sheen	8.62	Sheen						
S-1	12/6/12		Sheen	8.65	Sheen						
S-1	12/10/13		Sheen	8.77	Sheen						
S-1	12/14/12		Sheen	8.75	Sheen						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-1	12/18/12		Sheen	8.60	Sheen						
S-1	12/27/12		Sheen	8.21	Sheen						
S-1	1/7/13		Sheen	8.44	Sheen						
S-1	1/14/13		Sheen	8.34	Sheen						
S-1	1/21/13		Sheen	8.38	Sheen						
S-1	1/28/13		Sheen	8.45	Sheen						
S-1	2/6/13		Sheen	7.65	Sheen						
S-1	2/11/13		Sheen	7.02	Sheen						
S-1	2/18/13		Sheen	7.47	Sheen						
S-1	2/27/13		Sheen	7.58	Sheen						
S-1	3/4/13		Sheen	7.84	Sheen						
S-1	3/25/13		Sheen	7.31	Sheen						
S-1	4/4/13		Sheen	7.35	Sheen						
S-1	4/8/13		Sheen	7.40	Sheen						
S-1	4/15/13		Sheen	6.80	Sheen						
S-1	4/22/13		Sheen	5.83	Sheen						
S-1	5/8/13		Sheen	6.74	Sheen						
S-1	5/23/13		Sheen	6.95	Sheen						
S-1	7/3/13		Sheen	6.47	Sheen						
S-2	7/16/09		7.59	7.62	0.03						
S-2	7/27/09		7.56	7.64	0.08						
S-2	8/11/09		7.70	7.81	0.11						
S-2	8/18/09		7.68	7.80	0.12						
S-2	8/25/09		7.61	7.71	0.10						
S-2	9/1/09		7.00	7.01	0.01						
S-2	9/10/09		7.62	7.67	0.05						
S-2	9/17/09		7.85	7.85							
S-2	9/24/09		7.73	7.79	0.06						
S-2	10/1/09		7.89	7.91	0.02						
S-2	10/7/09		7.50	7.55	0.05						
S-2	10/23/09		6.86	6.87	0.01						
S-2	10/28/09		6.99	7.02	0.03						
S-2	11/9/09		7.41	7.47	0.06						
S-2	11/24/09		7.78	7.85	0.07						
S-2	12/3/09		7.49	7.54	0.05						
S-2	12/8/09		7.63	7.70	0.07						
S-2	12/17/09		7.39	7.45	0.06						
S-2	12/22/09		7.54	7.61	0.07						
S-2	12/28/09		6.61	6.65	0.04						
S-2	1/6/10		7.23	7.30	0.07						
S-2	1/11/10		7.47	7.52	0.05						
S-2	1/19/10		7.62	7.68	0.06						
S-2	1/25/10		7.08	7.10	0.02						
S-2	2/2/10		7.34	7.39	0.05						
S-2	2/8/10		7.45	7.52	0.07						
S-2	2/16/10		7.65	7.73	0.08						
S-2	2/22/10		7.52	7.55	0.03						
S-2	3/1/10		7.43	7.49	0.06						
S-2	3/8/10		7.51	7.57	0.06						
S-2	3/18/10		6.85	6.89	0.04						
S-2	3/24/10		6.85	6.88	0.03						
S-2	3/29/10		7.08	7.12	0.04						
S-2	4/21/10		7.37	7.41	0.04						
S-2	4/27/10		7.27	7.31	0.04						
S-2	5/4/10		7.36	7.39	0.03						
S-2	5/10/10		7.21	7.24	0.03						
S-2	5/19/10		6.67	6.71	0.04						
S-2	5/25/10		6.93	7.02	0.09						
S-2	6/2/10		7.00	7.10	0.10						
S-2	6/8/10		6.99	7.04	0.05						
S-2	6/16/10		7.09	7.12	0.03						
S-2	6/22/10		7.12	7.16	0.04						
S-2	6/30/10		7.13	7.17	0.04						
S-2	7/6/10		7.36	7.39	0.03						
S-2	7/13/10		7.35	7.43	0.08						
S-2	7/20/10		7.55	7.63	0.08						
S-2	7/27/10		7.03	7.09	0.06						
S-2	8/18/10		7.25	7.36	0.11						
S-2	8/24/10		7.37	7.49	0.12						
S-2	8/30/10		7.60	7.75	0.15						

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399 West Liberty Street
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Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGCIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-2	9/21/10		7.67	7.86	0.19						
S-2	9/30/10		7.71	7.74	0.03						
S-2	10/12/10		7.95	8.26	0.31						
S-2	11/3/10		7.96	8.44	0.48						
S-2	11/15/10		7.93	8.42	0.49						
S-2	12/2/10		7.96	8.65	0.69						
S-2	12/10/10		8.02	8.63	0.61						
S-2	12/22/10		8.01	8.49	0.48						
S-2	12/27/10		8.03	8.60	0.57						
S-2	1/5/11		7.67	8.05	0.38						
S-2	5-Jan-11 ^A		8.90	9.09	0.19						
S-2	1/10/11		8.25	8.97	0.72						
S-2	1/13/11		8.22	8.98	0.76						
S-2	13-Jan-11 ^A			9.02							
S-2	1/17/11		9.09	9.39	0.30						
S-2	1/28/11		8.53	8.85	0.32						
S-2	28-Jan-11 ^A		9.83	9.99	0.16						
S-2	2/7/11		8.94	9.05	0.11						
S-2	2/22/11		6.93	6.98	0.05						
S-2	3/2/11		7.00	7.06	0.06						
S-2	3/7/11		7.05	7.09	0.04						
S-2	3/14/11		6.85	6.89	0.04						
S-2	3/21/11			6.65							
S-2	3/28/11		6.74	6.77	0.03						
S-2	4/5/11		7.02	7.06	0.04						
S-2	4/12/11		6.98	7.02	0.04						
S-2	4/14/11		7.06	7.11	0.05						
S-2	4/19/11		6.60	6.61	0.01						
S-2	4/26/11			6.35							
S-2	5/5/11		6.73	6.76	0.03						
S-2	5/11/11		7.02	7.08	0.04						
S-2	5/17/11		7.03	7.05	0.02						
S-2	5/23/11		7.09	7.10	0.01						
S-2	6/2/11		6.56	6.58	0.02						
S-2	6/27/11		7.16	7.16	0.02						
S-2	7/6/11		7.45	7.49	0.04						
S-2	7/18/11		7.80	7.83	0.03						
S-2	7/25/11		7.18	7.19	0.01						
S-2	8/2/11		7.12	7.14	0.02						
S-2	8/9/11		7.10	7.12	0.02						
S-2	8/15/11		7.25	7.27	0.02						
S-2	8/22/11		7.18	7.20	0.02						
S-2	8/29/11		7.21	7.22	0.01						
S-2	9/13/11		7.68	7.70	0.02						
S-2	9/20/11		7.59	7.61	0.02						
S-2	9/27/11		6.91	6.92	0.01						
S-2	10/3/11		7.04	7.05	0.01						
S-2	10/11/11		7.07	7.08	0.01						
S-2	10/18/11		7.45	7.47	0.02						
S-2	10/25/11		7.39	7.41	0.02						
S-2	11/4/11		7.41	7.42	0.01						
S-2	11/10/11		7.02	7.03	0.01						
S-2	11/21/11		Sheen	7.33	Sheen						
S-2	11/30/11		7.22	7.26	0.04						
S-2	12/6/11		7.14	7.15	0.01						
S-2	12/12/11		7.28	7.29	0.01						
S-2	12/29/11		7.23	7.24	0.01						
S-2	1/9/12			9.50							
S-2	1/17/12			8.96							
S-2	1/31/12		Sheen	7.34	Sheen						
S-2	2/6/12		7.41	7.42	0.01						
S-2	2/13/12		Sheen	7.53	Sheen						
S-2	2/21/12		Sheen	7.51	Sheen						
S-2	2/28/12		Sheen	7.28	Sheen						
S-2	3/9/12		Sheen	7.20	Sheen						
S-2	3/23/12		Sheen	7.13	Sheen						
S-2	3/27/12			7.09							
S-2	4/5/12			7.33							
S-2	4/10/12		7.46	7.47	0.01						
S-2	4/16/12		Sheen	7.21	Sheen						

Table 1

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Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class 1 Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-2	4/24/12		Sheen	7.26	Sheen						
S-2	5/4/12		Sheen	7.20	Sheen						
S-2	5/10/12		Sheen	7.15	Sheen						
S-2	5/16/12		Sheen	7.30	Sheen						
S-2	5/25/12		Sheen	7.34	Sheen						
S-2	5/29/12		Sheen	7.50	7.51	0.01					
S-2	6/8/12		Sheen	7.26	Sheen						
S-2	6/14/12		7.49	7.50	0.01						
S-2	6/19/12		7.51	7.52	0.01						
S-2	6/29/12		Sheen	7.83	Sheen						
S-2	7/3/12		Sheen	7.86	Sheen						
S-2	7/11/12		Sheen	8.11	Sheen						
S-2	7/16/12		Sheen	8.22	Sheen						
S-2	8/1/12		Sheen	7.38	Sheen						
S-2	8/10/12		Sheen	7.78	Sheen						
S-2	9/7/12		Sheen	8.14	Sheen						
S-2	9/13/12		Sheen	8.13	Sheen						
S-2	10/3/12		Sheen	8.47	Sheen						
S-2	11/27/12		Sheen	8.61	Sheen						
S-2	12/3/12		Sheen	8.68	Sheen						
S-2	12/6/12		Sheen	8.73	Sheen						
S-2	12/10/12		Sheen	8.86	Sheen						
S-2	12/14/12		Sheen	8.82	Sheen						
S-2	12/18/12		Sheen	8.69	Sheen						
S-2	12/27/12		Sheen	8.30	Sheen						
S-2	1/7/13		Sheen	8.51	Sheen						
S-2	1/14/13		Sheen	8.41	Sheen						
S-2	1/21/13		Sheen	8.47	Sheen						
S-2	1/28/13		Sheen	8.59	Sheen						
S-2	2/6/13		Sheen	8.75	Sheen						
S-2	2/11/13		Sheen	7.11	Sheen						
S-2	2/18/13		Sheen	7.55	Sheen						
S-2	2/27/13		Sheen	7.65	Sheen						
S-2	3/4/13		Sheen	7.73	Sheen						
S-2	3/25/13		Sheen	7.41	Sheen						
S-2	4/4/13		Sheen	7.46	Sheen						
S-2	4/8/13		Sheen	7.49	Sheen						
S-2	4/15/13		Sheen	6.83	Sheen						
S-2	4/22/13		Sheen	5.92	Sheen						
S-2	5/8/13		Sheen	6.82	Sheen						
S-2	5/23/13		Sheen	7.03	Sheen						
S-2	7/3/13		Sheen	6.55	Sheen						
S-3	7/27/09		7.56	7.59	0.03						
S-3	8/11/09		7.69	7.61	0.12						
S-3	8/18/09		7.69	7.80	0.11						
S-3	8/25/09		7.61	7.71	0.10						
S-3	9/1/09		7.03	7.08	0.05						
S-3	9/10/09		7.66	7.68	0.02						
S-3	9/17/09			7.88							
S-3	9/24/09		7.74	7.80	0.06						
S-3	10/1/09		7.88	7.89	0.01						
S-3	10/7/09		7.50	7.51	0.01						
S-3	10/23/09		6.26	6.27	0.01						
S-3	10/28/09		6.97	7.02	0.05						
S-3	11/9/09		7.40	7.45	0.05						
S-3	11/24/09		7.76	7.86	0.10						
S-3	12/3/09		7.49	7.55	0.06						
S-3	12/8/09		7.64	7.70	0.06						
S-3	12/17/09		7.39	7.47	0.08						
S-3	12/22/09		7.53	7.59	0.06						
S-3	12/28/09		6.61	6.67	0.06						
S-3	1/6/10		7.23	7.31	0.08						
S-3	1/11/10		7.47	7.54	0.07						
S-3	1/19/10		7.62	7.70	0.08						
S-3	1/25/10		7.08	7.11	0.03						
S-3	2/2/10		7.34	7.40	0.06						
S-3	2/8/10		7.45	7.52	0.07						
S-3	2/16/10		7.64	7.70	0.06						
S-3	2/22/10		7.52	7.54	0.02						
S-3	3/1/10		7.42	7.47	0.05						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-3	3/8/10		7.51	7.57	0.06						
S-3	3/18/10		6.88	6.91	0.03						
S-3	3/24/10		6.83	6.87	0.04						
S-3	3/29/10		7.11	7.15	0.04						
S-3	4/21/10		7.37	7.42	0.05						
S-3	4/27/10		7.29	7.32	0.03						
S-3	5/4/10		7.37	7.40	0.03						
S-3	5/10/10		7.24	7.27	0.03						
S-3	5/19/10		6.67	6.72	0.05						
S-3	5/25/10		6.94	7.03	0.09						
S-3	6/2/10		7.01	7.11	0.10						
S-3	6/8/10		7.00	7.05	0.05						
S-3	6/16/10		7.09	7.13	0.04						
S-3	6/22/10		7.13	7.14	0.01						
S-3	6/30/10		7.12	7.16	0.04						
S-3	7/6/10		7.35	7.38	0.03						
S-3	7/13/10		7.34	7.42	0.08						
S-3	7/20/10		7.55	7.63	0.08						
S-3	7/27/10		7.03	7.09	0.06						
S-3	8/18/10		7.28	7.40	0.12						
S-3	8/24/10		7.38	7.50	0.12						
S-3	8/31/10		7.59	7.74	0.15						
S-3	9/21/10		7.68	7.85	0.17						
S-3	9/30/10		7.72	7.75	0.03						
S-3	10/12/10		7.95	8.24	0.29						
S-3	11/3/10		7.97	8.44	0.47						
S-3	11/15/10		7.96	8.42	0.46						
S-3	12/2/10		7.96	8.66	0.70						
S-3	12/10/10		8.03	8.64	0.61						
S-3	12/22/10		8.01	8.49	0.48						
S-3	12/27/10		8.03	8.60	0.57						
S-3	1/5/11		7.67	8.06	0.39						
S-3	5-Jan-11 ^A		8.87	9.03	0.16						
S-3	1/10/11		8.25	8.98	0.73						
S-3	1/13/11		8.22	8.96	0.74						
S-3	13-Jan-11 ^A		9.82	10.08	0.26						
S-3	1/17/11		9.10	9.39	0.29						
S-3	1/28/11		8.55	8.84	0.29						
S-3	28-Jan-11 ^A		10.07	10.21	0.14						
S-3	2/7/11		8.96	9.07	0.11						
S-3	2/22/11		6.93	6.99	0.06						
S-3	3/2/11		7.02	7.06	0.04						
S-3	3/7/11		7.04	7.08	0.04						
S-3	3/14/11		6.85	6.90	0.05						
S-3	3/21/11		6.65	6.66	0.01						
S-3	3/28/11		6.74	6.78	0.04						
S-3	4/5/11		7.02	7.07	0.05						
S-3	4/12/11		6.98	7.02	0.04						
S-3	4/14/11		7.07	7.11	0.04						
S-3	4/19/11		6.59	6.60	0.01						
S-3	4/26/11			6.36							
S-3	5/5/11		6.74	6.78	0.04						
S-3	5/11/11		7.00	7.05	0.05						
S-3	5/17/11		7.03	7.06	0.03						
S-3	5/23/11		7.08	7.09	0.01						
S-3	6/2/11		6.56	6.58	0.02						
S-3	6/27/11		7.16	7.18	0.02						
S-3	7/6/11		7.46	7.50	0.04						
S-3	7/18/11		7.80	7.83	0.03						
S-3	7/25/11		7.18	7.19	0.01						
S-3	8/2/11		7.12	7.14	0.02						
S-3	8/9/11		7.10	7.12	0.02						
S-3	8/15/11		7.25	7.27	0.02						
S-3	8/22/11		7.18	7.20	0.02						
S-3	8/29/11		7.21	7.22	0.01						
S-3	9/13/11		7.68	7.70	0.02						
S-3	9/20/11		7.59	7.61	0.02						
S-3	9/27/11		6.91	6.92	0.01						
S-3	10/3/11		7.04	7.05	0.01						
S-3	10/11/11		7.07	7.08	0.01						

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-3	10/18/11		7.45	7.47	0.02						
S-3	10/25/11		7.39	7.41	0.02						
S-3	11/4/11		7.41	7.42	0.01						
S-3	11/10/11		7.02	7.03	0.01						
S-3	11/4/11		Sheen	7.34	Sheen						
S-3	11/30/11		7.25	7.26	0.01						
S-3	12/6/11		7.14	7.15	0.01						
S-3	12/12/11		7.28	7.29	0.01						
S-3	12/19/11		7.23	7.24	0.01						
S-3	1/9/12			9.50							
S-3	1/17/12			8.96							
S-3	1/23/12			7.25							
S-3	1/31/12		Sheen	7.34	Sheen						
S-3	2/6/12		7.41	7.42	0.01						
S-3	2/13/12		Sheen	7.53	Sheen						
S-3	2/21/12		Sheen	7.51	Sheen						
S-3	2/28/12		Sheen	7.28	Sheen						
S-3	3/9/12		Sheen	7.20	Sheen						
S-3	3/23/12		Sheen	7.13	Sheen						
S-3	3/27/12			7.10							
S-3	4/5/12			7.33							
S-3	4/10/12		7.46	7.47	0.01						
S-3	4/16/12		Sheen	7.21	Sheen						
S-3	4/16/12		Sheen	7.26	Sheen						
S-3	5/4/12		Sheen	7.20	Sheen						
S-3	5/10/12		Sheen	7.15	Sheen						
S-3	5/16/12		Sheen	7.30	Sheen						
S-3	5/25/12		Sheen	7.34	Sheen						
S-3	5/29/12		7.50	7.51	0.01						
S-3	6/8/12		Sheen	7.26	Sheen						
S-3	6/14/12		7.49	7.50	0.01						
S-3	6/19/12		7.51	7.52	0.01						
S-3	6/29/12		Sheen	7.83	Sheen						
S-3	7/3/12		Sheen	7.86	Sheen						
S-3	7/11/12		Sheen	8.11	Sheen						
S-3	7/16/12		Sheen	8.22	Sheen						
S-3	8/1/12		Sheen	7.38	Sheen						
S-3	8/10/12		Sheen	7.78	Sheen						
S-3	9/7/12		Sheen	8.14	Sheen						
S-3	9/13/12		Sheen	8.13	Sheen						
S-3	10/3/12		Sheen	8.47	Sheen						
S-3	11/27/12		Sheen	8.62	Sheen						
S-3	12/3/12		Sheen	8.68	Sheen						
S-3	12/6/12		Sheen	8.73	Sheen						
S-3	12/10/12		Sheen	8.67	Sheen						
S-3	12/14/12		Sheen	8.82	Sheen						
S-3	12/18/12		Sheen	8.69	Sheen						
S-3	12/28/12		Sheen	8.31	Sheen						
S-3	1/7/13		Sheen	8.61	Sheen						
S-3	1/14/13		Sheen	8.41	Sheen						
S-3	1/21/13		Sheen	8.48	Sheen						
S-3	1/28/13		Sheen	8.58	Sheen						
S-3	2/6/13		Sheen	8.75	Sheen						
S-3	2/11/13		Sheen	7.11	Sheen						
S-3	2/18/13		Sheen	7.56	Sheen						
S-3	2/27/13		Sheen	7.65	Sheen						
S-3	3/4/13		Sheen	7.73	Sheen						
S-3	3/25/13		Sheen	7.41	Sheen						
S-3	4/4/13		Sheen	7.46	Sheen						
S-3	4/8/13		Sheen	7.49	Sheen						
S-3	4/15/13		Sheen	6.83	Sheen						
S-3	4/22/13		Sheen	5.92	Sheen						
S-3	5/8/13		Sheen	6.82	Sheen						
S-3	5/23/13		Sheen	7.03	Sheen						
S-3	7/3/13		Sheen	6.55	Sheen						
SUMP	6/22/10			4.38							
SUMP	6/30/10			4.36							
SUMP	7/6/10			4.37							
SUMP	7/13/10			4.36							
SUMP	7/20/10			4.29							

Table 1

Groundwater Elevations and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
SUMP	7/27/10			4.20							
SUMP	8/18/10			4.42							
SUMP	8/24/10			4.40							
SUMP	8/31/10			4.38							
SUMP	9/21/10			4.35							
SUMP	9/30/10			4.40							
SUMP	10/12/10			4.45							
SUMP	11/3/10			4.54							
SUMP	11/15/10			4.66							
SUMP	12/2/10			4.70							
SUMP	12/10/10			4.68							
SUMP	1/10/11			7.88							
SUMP	3/2/11			4.42							
SUMP	3/7/11			4.38							

- Notes:
- 1) GCGIER = groundwater component of the groundwater ingestion exposure route
 - 2) COCs = constituents of concern
 - 3) mg/L = milligrams per Liter
 - 4) TOC = top-of-casing
 - 5) <0.005 = concentration less than the laboratory reporting limit
 - 6.) Bold = a concentration above the Tier 1 groundwater remediation objective(s) established in 35 Illinois Administrative Code Part 742
 - 7) All groundwater samples were analyzed for methyl tertiary butyl ether (MTBE) and/or benzene, toluene, ethylbenzene, and total xylenes using United States Environmental Protection Agency Method 8020 or 8021
 - 8) Shading = not available, not applicable, or not present; Sheen = a sheen of free product was present on the groundwater; BDL= concentration below the laboratory detection limit; FP = free product present
 - 9) Groundwater elevations are relative to a site specific datum of 100 feet
 - 10) ^ = Gauging performed after high vacuum extraction event

Table 2

Free Product Recovery by Bailing

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Well ID	Date	Depth to Free Product (feet below TOC)	Depth to Water (feet below TOC)	Free Product Thickness (feet)	Total Liquids Recovered (Gallons)	Estimated Free Product Recovered (Gallons)
MW-26	12/2/10	7.73	8.34	0.61	0.50	0.13
MW-26	12/10/10	7.75	8.21	0.46	0.25	0.06
MW-26	12/22/10	7.81	8.58	0.77	0.25	0.06
MW-26	12/27/10	7.82	8.63	0.81	0.50	0.13
MW-26	1/17/11	7.99	8.43	0.44	0.25	0.06
MW-26	11/27/12	8.21	9.19	0.98	1.00	0.03
MW-26	12/3/12	8.23	9.31	1.08	1.75	0.09
MW-26	1/7/13	8.37	8.54	0.17	0.50	0.01
MW-26	1/14/13	8.15	8.33	0.18	1.50	0.08
MW-26	1/21/13	8.30	8.69	0.39	2.00	0.06
MW-27	1/5/09	7.25	7.35	0.10	4.00	0.01
MW-27	1/6/09	7.30	7.36	0.06	1.00	0.01
MW-27	11/15/10	7.58	8.37	0.79	0.25	0.06
MW-27	12/2/10	7.67	8.38	0.71	0.50	0.13
MW-27	12/10/10	7.63	8.40	0.77	0.50	0.13
MW-27	12/22/10	7.71	8.66	0.95	0.25	0.06
MW-27	12/27/10	7.74	8.63	0.89	0.75	0.19
MW-27	1/17/11	7.74	8.63	0.89	0.25	0.06
MW-27	3/2/11	7.22	7.31	0.09	0.25	0.05
MW-27	3/2/11	7.50	7.61	0.11	1.00	0.05
MW-27	3/7/11	7.55	7.62	0.07	0.50	0.05
MW-27	7/26/11	7.42	7.49	0.07	0.25	0.01
MW-27	7/3/12	7.89	7.93	0.04	0.50	0.03
MW-27	10/3/12	7.98	8.94	0.96	1.00	0.10
MW-27	11/27/12	8.02	9.00	0.98	1.00	0.10
MW-27	12/3/12	8.03	9.10	1.07	0.75	0.04
MW-27	12/18/12	7.98	8.60	0.62	2.00	0.40
MW-27	12/27/12	7.98	8.11	0.13	0.50	0.01
MW-27	1/28/13	8.08	8.83	0.75	1.00	0.05
MW-27	2/6/13	7.95	8.05	0.10	2.00	0.02
MW-29	12/8/09	7.86	8.74	0.88	0.13	0.01
MW-29	12/17/09	7.90	8.60	0.70	0.13	0.01
MW-29	12/22/09	7.95	8.80	0.85	0.13	0.01
MW-29	12/28/09	7.61	7.63	0.02	0.13	0.01
MW-29	1/6/10	7.80	8.73	0.93	0.07	0.03
MW-29	1/11/10	7.80	9.17	1.37	0.05	0.01
MW-29	1/19/10	7.85	9.20	1.35	0.07	0.01
MW-29	2/2/10	7.82	8.77	0.95	0.50	0.50
MW-29	2/8/10	7.85	8.89	1.04	0.25	0.13
MW-29	2/16/10	7.93	8.97	1.04	0.51	0.38
MW-29	2/22/10	7.85	8.45	0.60	0.20	0.10
MW-29	3/1/10	7.87	8.64	0.77	0.13	0.13
MW-29	3/8/10	7.71	8.16	0.45	0.13	0.13
MW-29	12/2/10	8.25	8.56	0.31	0.25	0.06
MW-29	12/10/10	8.29	8.52	0.23	0.25	0.06
MW-29	12/28/10	8.12	8.45	0.33	0.25	0.06
MW-29	3/7/11	7.78	7.86	0.08	0.50	0.05
MW-29	3/14/11	7.70	8.29	0.59	0.75	0.23
MW-29	12/6/11	7.81	8.11	0.30	0.50	0.15
MW-29	12/12/11	7.89	8.49	0.60	1.50	0.15
MW-29	12/19/11	7.86	8.23	0.37	1.00	0.05
MW-29	12/29/11	7.93	8.19	0.26	0.25	0.03
MW-29	1/17/12	7.83	7.88	0.05	0.50	0.05
MW-29	1/23/12	7.86	8.38	0.52	0.50	0.05
MW-29	1/31/12	7.90	8.45	0.55	1.00	0.15
MW-29	2/6/12	7.88	8.38	0.50	1.00	0.10
MW-29	2/13/12	7.94	8.73	0.79	1.00	0.20
MW-29	2/21/12	8.00	8.68	0.68	1.00	0.10

Table 2

Free Product Recovery by Bailing

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Well ID	Date	Depth to Free Product (feet below TOC)	Depth to Water (feet below TOC)	Free Product Thickness (feet)	Total Liquids Recovered (Gallons)	Estimated Free Product Recovered (Gallons)
MW-29	2/28/12	7.85	8.22	0.37	1.00	0.10
MW-29	12/3/12	7.96	8.50	0.54	0.75	0.04
MW-29	12/27/12	7.78	8.02	0.24	1.00	0.01
MW-29	1/14/13	7.75	7.78	0.03	0.25	0.01
MW-29	2/6/13	7.65	8.24	0.59	1.00	0.02
MW-29	2/11/13	7.34	7.35	0.01	1.00	0.01
MW-29	2/18/13	7.51	7.78	0.27	2.00	0.02
MW-29	2/27/13	7.58	7.72	0.14	1.00	0.01
MW-29	3/4/13	7.55	7.57	0.02	0.50	0.01
MW-29	4/8/13	7.54	7.56	0.02	0.25	0.01
MW-30	7/20/10	7.60	8.38	0.78	0.50	0.25
MW-30	11/15/10	7.50	8.43	0.93	0.50	0.50
MW-30	12/2/10	7.74	8.59	0.85	0.50	0.13
MW-30	12/10/10	7.71	8.55	0.84	0.50	0.13
MW-30	12/22/10	7.90	8.89	0.99	0.50	0.13
MW-30	12/27/10	7.84	8.82	0.98	1.00	0.25
MW-30	1/17/11	7.88	8.84	0.96	0.50	0.13
MW-30	2/7/11	7.97	9.09	1.12	1.00	0.25
MW-30	4/5/11	7.56	7.58	0.02	0.50	0.05
MW-30	10/3/12	8.28	8.46	0.18	0.50	0.03
MW-30	11/27/12	8.21	8.97	0.76	0.75	0.04
MW-30	12/3/12	8.22	9.00	0.78	0.50	0.03
MW-30	12/18/12	8.06	8.86	0.80	2.00	0.40
MW-30	12/27/12	8.07	8.40	0.33	1.00	0.01
MW-30	1/7/13	8.21	8.84	0.63	2.00	0.10
MW-30	1/14/13	8.07	8.55	0.48	2.00	0.04
MW-30	1/21/13	8.21	8.68	0.47	1.50	0.03
MW-30	1/28/13	8.29	8.68	0.39	2.00	0.06
MW-30	2/11/13	7.70	7.80	0.10	1.00	0.05
MW-31	12/8/09	7.81	7.90	0.09	0.13	0.01
MW-31	12/17/09	7.67	7.69	0.02	0.13	0.01
MW-31	12/22/09	7.80	8.13	0.33	0.13	0.01
MW-31	12/28/09	7.95	8.03	0.08	0.13	0.01
MW-31	1/6/10	7.47	7.57	0.10	0.06	0.01
MW-31	1/11/10	7.40	7.50	0.10	0.10	0.01
MW-31	12/2/10	7.76	8.13	0.37	0.25	0.06
MW-31	12/10/10	7.73	8.10	0.37	0.25	0.06
MW-31	1/17/11	8.02	8.51	0.49	0.50	0.13
MW-31	3/2/11	7.77	7.80	0.03	1.03	0.08
MW-31	3/7/11	7.62	7.71	0.09	0.50	0.05
MW-31	1/31/12	7.51	7.59	0.08	0.50	0.03
MW-31	2/6/12	7.56	7.59	0.03	0.50	0.01
MW-31	2/13/12	7.65	7.77	0.12	0.50	0.05
MW-31	2/28/12	7.49	7.52	0.03	0.25	0.01
MW-31	12/3/12	8.22	8.57	0.35	0.50	0.01
MW-31	12/18/12	8.27	8.55	0.28	2.00	0.20
MW-31	12/27/12	8.22	8.30	0.08	0.50	0.01
MW-31	2/6/13	8.00	8.08	0.08	2.00	0.02
RW-3	12/8/09	7.42	7.45	0.03	0.26	0.01
RW-3	12/17/09	7.42	7.51	0.09	0.13	0.01
RW-3	12/22/09	7.65	7.80	0.15	0.13	0.01
RW-3	12/28/09	7.16	7.19	0.03	0.25	0.01
RW-3	1/6/10	7.58	7.65	0.07	0.10	0.01
RW-3	1/11/10	7.50	7.55	0.05	0.06	0.01
RW-3	1/19/10	7.52	7.54	0.02	0.05	0.01
RW-3	2/16/10	7.56	7.57	0.01	0.26	0.13
RW-3	3/1/10		7.40		0.13	0.13
RW-3	3/8/10		7.52		0.13	0.13

Table 2
Free Product Recovery by Bailing
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Well ID	Date	Depth to Free Product (feet below TOC)	Depth to Water (feet below TOC)	Free Product Thickness (feet)	Total Liquids Recovered (Gallons)	Estimated Free Product Recovered (Gallons)
RW-3	2/7/11		7.83		0.26	0.13
RW-3	2/22/11	7.06	7.19	0.13	0.50	0.25
RW-3	3/2/11	7.45	7.49	0.04	1.03	0.08
RW-3	3/14/11	7.20	7.21	0.01	0.26	0.26
RW-3	11/27/12	7.47	8.40	0.93	1.00	0.05
RW-3	12/3/12	7.47	8.45	0.98	0.50	0.04
RW-3	12/18/12	7.40	8.05	0.65	2.00	0.40
RW-3	12/27/12	7.38	7.58	0.20	1.00	0.02
RW-3	1/28/13	7.51	8.17	0.66	2.00	0.10
RW-4	9/30/10	7.53	7.61	0.08	0.75	0.08
RW-4	12/2/10	7.65	8.35	0.70	0.50	0.13
RW-4	12/10/10	7.62	8.33	0.71	0.50	0.13
RW-4	12/22/10	7.75	8.62	0.87	0.50	0.13
RW-4	12/27/10	7.73	8.63	0.90	1.00	0.25
RW-4	12/29/10	8.32	8.65	0.33	0.25	0.06
RW-4	12/3/12	7.69	8.05	0.36	1.25	0.04
RW-5	12/8/09	7.38	8.25	0.87	0.25	0.01
RW-5	12/17/09	7.30	8.23	0.93	0.13	0.01
RW-5	12/22/09	7.33	8.45	1.12	0.13	0.01
RW-5	12/28/09	7.07	7.30	0.23	0.25	0.01
RW-5	1/6/10	7.40	7.88	0.48	0.10	0.01
RW-5	1/11/10	7.48	7.94	0.46	0.06	0.01
RW-5	1/19/10	7.54	7.87	0.33	0.26	0.01
RW-5	1/25/10	7.09	7.10	0.01	0.26	0.13
RW-5	2/8/10	7.53	8.10	0.57	0.13	0.06
RW-5	2/16/10	7.50	8.18	0.68	0.26	0.13
RW-5	2/22/10	7.39	7.78	0.39	0.38	0.19
RW-5	12/2/10	7.67	8.35	0.68	0.50	0.13
RW-5	12/10/10	7.66	8.21	0.55	0.50	0.13
RW-5	12/22/10	7.78	8.66	0.88	1.00	0.25
RW-5	12/27/10	7.76	8.65	0.89	0.25	0.06
RW-5	12/28/10	8.34	8.62	0.28	0.25	0.06
RW-5	1/17/11	7.94	8.34	0.40	0.25	0.01
RW-5	1/23/12	7.38	7.50	0.12	0.25	0.01
RW-5	1/31/12	7.35	7.44	0.09	0.50	0.03
RW-5	2/6/12	7.37	7.42	0.05	0.25	0.01
RW-5	2/21/12	7.45	7.70	0.25	0.25	0.03
RW-5	3/9/12	7.63	7.65	0.02	0.25	0.03
RW-5	12/3/12	7.60	8.35	0.75	1.75	0.09
RW-5	1/21/13	7.73	7.81	0.08	1.00	0.01
RW-5	1/28/13	7.83	7.84	0.01	0.25	0.01
RW-5	5/8/13	6.86	6.90	0.04	1.00	0.05
RW-6	9/30/10	7.35	7.72	0.37	3.00	1.50
RW-6	11/15/10	7.50	8.12	0.62	0.25	0.06
RW-6	12/2/10	7.50	8.09	0.59	0.50	0.13
RW-6	12/10/10	7.42	8.04	0.62	0.25	0.06
RW-6	12/22/10	7.60	8.20	0.60	0.50	0.13
RW-6	12/27/10	7.64	8.22	0.58	1.00	0.25
RW-6	12/28/10	8.18	8.20	0.02	0.25	0.06
RW-6	2/22/11	6.93	7.21	0.28	0.50	0.25
RW-6	3/2/11	7.11	7.31	0.20	2.00	0.20
RW-6	3/7/11	7.15	7.30	0.15	1.00	0.50
RW-6	3/14/11	7.09	7.17	0.08	1.50	0.15
RW-6	3/28/11	7.02	7.05	0.03	0.50	0.05
RW-6	4/5/11	7.15	7.19	0.04	0.50	0.03
RW-6	11/27/12	7.12	8.09	0.97	2.00	0.20
RW-6	12/3/12	7.16	8.13	0.97	1.75	0.14
RW-6	12/18/12	7.05	7.70	0.65	4.00	0.80

Table 2

Free Product Recovery by Bailing

Shivam Energy, Inc.
 399 West Liberty Street
 Wauconda, Lake County, Illinois 60084

Well ID	Date	Depth to Free Product (feet below TOC)	Depth to Water (feet below TOC)	Free Product Thickness (feet)	Total Liquids Recovered (Gallons)	Estimated Free Product Recovered (Gallons)
RW-6	12/27/12	7.00	7.40	0.40	1.50	0.03
RW-6	2/6/13	6.99	7.00	0.01	0.26	0.19
RW-6	2/11/13		6.70		0.26	0.15
RW-6	2/27/13	6.86	6.87		0.26	0.13
RW-6	3/4/13	6.86	6.87	0.01	0.26	0.13
RW-6	4/22/13		9.02		0.26	0.13
RW-6	5/8/13		6.47		0.26	0.13
RW-6	5/23/13	Sheen	6.53	Sheen	0.26	0.07
RW-8	12/3/12	7.00	8.25	1.25	2.00	0.80
RW-8	12/18/12	6.95	7.75	0.80	4.00	1.60
RW-8	12/27/12	6.97	7.35	0.38	1.00	0.02
RW-8	1/7/13	7.02	7.22	0.20	6.00	0.80
RW-8	1/14/13		6.95		4.00	0.20
RW-8	1/21/13	6.99	7.80	0.81	4.00	0.08
S-1	1/5/09	6.95	7.00	0.05	4.00	0.01
S-1	2/26/09	7.23	7.31	0.08	4.00	0.01
S-1	12/2/10	7.93	8.58	0.65	0.25	0.06
S-1	12/10/10	7.97	8.54	0.57	0.25	0.06
S-2	12/2/10	7.96	8.65	0.69	0.25	0.06
S-2	12/10/10	8.02	8.63	0.61	0.25	0.06
S-3	1/5/09	6.77	6.82	0.05	4.00	0.01
S-3	12/2/10	7.96	8.66	0.70	0.25	0.06
S-3	12/10/10	8.03	8.64	0.61	0.25	0.06
Totals:					159.63	22.27

Notes:

- 1) TOC = top-of-casing
- 2) Shaded cells for RW-3 and RW-6 = free product was not present during gauging; however, free product was present in the passive skimmer
- 3) Shaded cells for RW-8 = free product was not present during gauging; however, the well was bailed for verification and free product was encountered

Table 3

Free Product Recovery by System

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Free Product System Operation Date Range	Free Product Drum Pump Out Date	Wells Operating with Free Product Recovery System	Total Liquids Recovered (gallons)	Estimated Free Product Recovered (gallons)
6/17/09 through 6/24/09	7/1/09	MW-29, MW-31, RW-3, RW-5	55	20.00
7/1/09 through 7/23/09	7/27/09	MW-29, MW-31, RW-3, RW-5	55	19.33
7/27/09 through 8/4/09	8/5/09	MW-29, MW-31, RW-3, RW-5, RW-6	55	20.00
8/5/09 through 8/18/09	8/19/09	MW-29, MW-31, RW-3, RW-6	55	20.00
8/19/09 through 9/10/09	9/11/09	MW-29, MW-31, RW-3, RW-6	55	19.80
9/11/09 through 10/1/09	10/1/09	MW-29, MW-31, RW-3, RW-6	55	35.48
10/1/09 through 10/23/09	10/23/09	MW-29, MW-31, RW-3, RW-6	55	35.48
10/23/09 through 11/9/09	11/10/09	MW-29, MW-31, RW-3, RW-6	55	9.57
11/10/09 through 12/8/09	12/10/09	MW-29, MW-31, RW-3	40	8.85
3/18/09 through 4/21/10	4/13/10	MW-29, MW-31, RW-3, RW-6	55	3.30
4/21/10 through 5/4/10	5/5/10	MW-29, MW-31, RW-3, RW-6	55	7.98
5/5/10 through 5/25/10	5/25/10	MW-29, MW-31, RW-3, RW-5	55	15.09
5/25/10 through 6/8/10	6/10/10	MW-29, MW-31, RW-3, RW-5	55	37.46
6/10/10 through 6/16/10	6/17/10	MW-29, MW-31, RW-3, RW-5	55	39.86
6/17/10 through 7/1/10	7/1/10	MW-29, MW-31, RW-3, RW-5	55	47.39
7/1/10 through 8/18/10	8/19/10	MW-29, MW-31, RW-3, RW-5	50	3.75
8/19/10 through 8/31/10	9/1/10	MW-29, MW-31, RW-3, RW-5	50	12.37
9/1/10 through 10/12/10	10/13/10	MW-29, MW-31, RW-3, RW-5	55	23.84
10/13/10 through 12/2/10	3/17/11	MW-29, MW-31, RW-3, RW-5	55	6.66
3/2/11 through 4/6/11	4/6/11	MW-29, MW-31, RW-3, RW-5	55	8.20
4/6/11 through 4/14/11	4/14/11	MW-29, MW-31, RW-3, RW-5	55	2.48
4/14/11 through 4/26/11	4/27/11	MW-29	55	4.93
5/5/11 through 5/11/11	5/12/11	MW-29, RW-5	55	7.37
5/12/11 through 5/17/11	5/17/11	MW-29, RW-5	55	4.13
5/17/11 through 6/2/11	6/3/11	MW-29	55	4.13
6/3/11 through 6/27/11	6/28/11	MW-29, RW-5	55	13.15
6/28/11 through 7/12/11	7/18/11	MW-29, MW-31, RW-3, RW-5	55	8.20
7/18/11 through 8/2/11	8/3/11	MW-29, MW-31, RW-3, RW-5, RW-6	55	4.95
8/2/11 through 8/9/11	8/29/11	MW-29, MW-31, RW-3, RW-5, RW-6	50	2.25
8/9/11 through 8/29/11	8/29/11	MW-29 through MW-31, RW-5	50	6.05
8/29/11 through 9/7/11	9/8/11	MW-29 through MW-31, RW-5	55	2.48
9/8/11 through 9/21/11	9/21/11	MW-29 through MW-31, RW-5	55	3.74
9/21/11 through 10/3/11	10/4/11	MW-29 through MW-31, RW-5	55	4.57
10/4/11 through 10/18/11	10/19/11	MW-29 through MW-31, RW-5	55	3.74
10/19/11 through 11/3/11	11/4/11	MW-29 through MW-31, RW-5	55	4.18
11/3/11 through 11/21/11	11/22/11	MW-29 through MW-31, RW-5	55	5.01
11/22/11 through 11/30/11	12/1/11	MW-29 through MW-31, RW-5	55	2.50
3/14/12 through 4/5/12	8/2/12	MW-29, MW-31, RW-3, RW-5	55	0.83
4/5/12 through 4/24/12	8/2/12	MW-29, MW-31, RW-3, RW-5	55	0.83
4/24/12 through 6/8/12	8/2/12	MW-29, MW-31, RW-3, RW-5	55	1.21
6/8/12 through 8/1/12	8/2/12	MW-29, MW-31, RW-3, RW-5	55	2.42
8/1/12 through 9/7/12	10/18/12	MW-31, RW-5	55	2.48
9/7/12 through 9/13/12	10/18/12	MW-31, RW-5	55	1.65
9/13/12 through 10/3/12	10/18/12	MW-31, RW-5	55	3.30
10/3/12 through 11/30/12	NA	MW-31, RW-5	55	1.65
Totals:			2,440	492.57

Notes:

- 1) The free product system was started on 6/17/09 and shut down on 12/8/09 due to freezing temperatures.
- 2) The free product system was restarted on 3/18/10 and shut down on 12/2/10 due to freezing temperatures.
- 3) The free product system was restarted on 3/21/11 and shut down on 11/30/11 due to freezing temperatures.
- 4) The free product system was restarted on 3/14/12 and shut down on 11/30/12 due to freezing temperatures.

Table 4

Free Product Recovery by HVE

Shivam Energy, Inc.
 399 West Liberty Street
 Wauconda, Lake County, Illinois 60084

HVE Date	Wells Pumped from with HVE	Total Liquids Recovered (gallons)	Estimated Free Product Recovered (gallons)
12/31/08	MW-27, S-1 through S-3	2,500	15
1/9/09	MW-27, S-1, S-3	2,000	10
1/27/09	MW-27, S-1 through S-3	2,100	10
3/9/09	S-1, S-3	3,000	15
3/13/09	MW-27, S-1 through S-3	2,800	14
4/1/09	S-1 through S-3	2,000	10
1/5/11	MW-26, MW-27, MW-29, MW-30, RW-3 through RW-6, S-1 through S-3	2,000	20
1/13/11	MW-26, MW-27, MW-29 through MW-31, RW-3 through RW-6, S-1 through S-3	1,600	16
1/28/11	MW-26, MW-27, MW-29 through MW-31, RW-3 through RW-6, S-1 through S-3	2,500	25
12/6/12	MW-26, MW-27, MW-29 through MW-31, RW-3 through RW-6, RW-8	1,500	15
12/10/12	MW-27, MW-29, MW-30, RW-3 through RW-6, RW-8	553	5.53
12/14/12	MW-26, MW-27, MW-29, MW-30, MW-31, RW-3, RW-6, RW-8	700	7
2/21/13	MW-29, RW-1 through RW-10, RW-1 ('04)	415	4.15
	Totals:	23,668	166.68

Notes:

1) HVE = high vacuum extraction

APPENDIX A
WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 0434825101	2. Page 1 of	3. Emergency Response Phone (630)329-0240	4. Manifest Tracking Number 008751771 JJK		
5. Generator's Name and Mailing Address North Branch Environmental 7 N 45th Center Ave Koselle, IL 60172 (630)329-0240				Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name North Branch Environmental		U.S. EPA ID Number UPM035046111		U.S. EPA ID Number ILR000032977			
7. Transporter 2 Company Name		U.S. EPA ID Number		U.S. EPA ID Number			
8. Designated Facility Name and Site Address Orbeck 7601 W. 47th Street McCook, IL 60523 (708)763-5110				U.S. EPA ID Number 0311740001			
Facility's Phone:				U.S. EPA ID Number			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	Non-Hazardous Liquid	001	U	35			
2.							
3.							
4.							
14. Special Handling, Instructions and Additional Information Work order 80692							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a), (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name Steve Moeckel				Signature <i>[Signature]</i>		Month Day Year 7 8 11	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Steve Moeckel				Signature <i>[Signature]</i>		Month Day Year 7 8 11	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space. <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator)				Manifest Reference Number: U.S. EPA ID Number			
Facility's Phone:				Month Day Year			
18c. Signature of Alternate Facility (or Generator)				Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0434635101	2. Page 1 of	3. Emergency Response Phone (630) 529-0240	4. Manifest Tracking Number 008751860 JJK
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5. Generator's Name and Mailing Address: **North Branch Environmental**
7 N 458 Garden ave
Roselle, IL 60172 (630) 529-0240

Generator's Site Address (if different than mailing address):

Generator's Phone: **(630) 529-0240**

6. Transporter 1 Company Name: **North Branch Environmental** U.S. EPA ID Number: **IL3000093377**

7. Transporter 2 Company Name: _____ U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: **Orack**
7501 W. 47th street
McCook, IL 60433 (708) 762-3110

Facility's Phone: _____ U.S. EPA ID Number: **0211740001**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	Non-Hazardous liquid Waste water	001	11	55	5			
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information: **Work order 915142**
96673

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offor's Printed/Typed Name: **Tom Suento** Signature: *Tom Suento* Month: **09** Day: **21** Year: **11**

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: **Tom Suento** Signature: *Tom Suento* Month: **09** Day: **21** Year: **11**

Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy
 18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number: _____ U.S. EPA ID Number: _____

18b. Alternate Facility (or Generator)
 Facility's Phone: _____ Month: _____ Day: _____ Year: _____

18c. Signature of Alternate Facility (or Generator): _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 1. _____ 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
 Printed/Typed Name: **Juan Garcia** Signature: *Juan Garcia* Month: **09** Day: **22** Year: **11**

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

1. Generator ID Number: **434025101** 2. Page 1 of 1 3. Emergency Response Phone: **708-329-0240** 4. Manifest Tracking Number: **008751829 JJK**

5. Generator's Name and Mailing Address: **UNIFORM HAZARDOUS WASTE MANIFEST**
North Branch Environmental
7 N 458 Garden ave
Kennett, IL 60172 (630)329-0240
Roselle, IL 60172 (630)529-0240
 Generator's Phone: _____ Generator's Site Address (if different than mailing address): _____

6. Transporter 1 Company Name: **North Branch Environmental** U.S. EPA ID Number: **ILR000052977**
 U.S. EPA ID Number: _____

7. Transporter 2 Company Name: _____ U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: **OnSite**
7601 W. 47th Street
McCook, IL 60525 (708)322-3119
 Facility's Phone: _____ U.S. EPA ID Number: **0311740001**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit- Wt/Vol	13. Waste Codes		
		No.	Type					
1.	Non-Hazardous Liquid WATER	001	W	55	HA			
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information: **96746** **Work order 95604**

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offoror's Printed/Typed Name: **RICH GRABINSKI** Signature: *[Signature]* Month: **10** Day: **4** Year: **11**

16. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials: Transporter 1 Printed/Typed Name: **RICH GRABINSKI** Signature: *[Signature]* Month: **10** Day: **4** Year: **11**
 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy: 18a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number: _____ U.S. EPA ID Number: _____

18b. Alternate Facility (or Generator): _____ U.S. EPA ID Number: _____
 Facility's Phone: _____ Month: _____ Day: _____ Year: _____

18c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems):
 1. _____ 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a:
 Printed/Typed Name: **Juan Garcia** Signature: *[Signature]* Month: **10** Day: **4** Year: **11**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0434025101	2. Page 1 of	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 008751890 JJK
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5. Generator's Name and Mailing Address
North Branch Environmental
7 N 45E Garden ave
Roselle, IL 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
North Branch Environmental **UPL093504611L** U.S. EPA ID Number **IL000052977**

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Orbeck
7801 W. 47th street
McCook, IL 60925 (708)762-3110

Facility's Phone: U.S. EPA ID Number **031174001**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	Non-Hazardous Liquid	001	4	35	5			
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information
76901 Work order 95768

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offero's Printed/Typed Name **Steve Macomber** Signature *[Signature]* Month **10** Day **19** Year **11**

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name **Steve Macomber** Signature *[Signature]* Month **10** Day **19** Year **11**
 Transporter 2 Printed/Typed Name Signature

18. Discrepancy
 18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number: U.S. EPA ID Number

18b. Alternate Facility (or Generator) U.S. EPA ID Number
 Facility's Phone: Month Day Year

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
 Printed/Typed Name **Steve Macomber** Signature *[Signature]* Month **10** Day **19** Year **11**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0449829101	2. Page 1 of	3. Emergency Response Phone (630)519-0240	4. Manifest Tracking Number 008752090 JJK
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5. Generator's Name and Mailing Address
 North Branch Environmental
 7 N 458 Carle Ave
 Roselle, IL 60172 (630)519-4240

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: North Branch Environmental UPR0304611L U.S. EPA ID Number: IL000052977

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
 Utrack
 7601 W. 47th Street
 McCook, IL 60533 (708)763-3119

Facility's Phone: U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	Non-Hazardous Liquid Waste Container	001	H	5				
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information
 97034 Work order 9322

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offero's Printed/Typed Name: John Swartz Signature: [Signature] Month: 11 Day: 14 Year: 11

16. International Shipments Import to U.S. Export from U.S. Part of entry/exit: Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: John Swartz Signature: [Signature] Month: 11 Day: 14 Year: 11
 Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

18. Discrepancy
 18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
 Printed/Typed Name: John Garcia Signature: [Signature] Month: 11 Day: 14 Year: 11

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

Please, print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0494825101	2. Page 1 of 1	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 008752169 JJK
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5. Generator's Name and Mailing Address
**North Branch Environmental
711 458 Clenden Ave
Roselle, IL 60472 (630)529-0240**

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
North Branch Environmental U.S. EPA ID Number
U0803504611 **11-800013277**

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
**7001 W. 47th Street
Machook, IL 60553 (708)762-5110** U.S. EPA ID Number
03117400010

Facility's Phone

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type			1	2	3
1.	Non-Hazardous Liquid Waste Wasten	400	11	55	5			
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information
97193 **Work order 9567**

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/packaged and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offloror's Printed/Typed Name
Tom Swartz Signature
[Signature] Month Day Year
11 19 11

16. International Shipments: Import to U.S. Export from U.S. Port of entry/exit Date leaving U.S.

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Tom Swartz Signature
[Signature] Month Day Year
11 19 11

Transporter 2 Printed/Typed Name Signature Month Day Year

18. Discrepancy
18a: Discrepancy Indication: Space Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone: Month Day Year

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed Name
Leobardo Ortega Signature
[Signature] Month Day Year
11 19 11

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0434825101	2. Page 1 of	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 008751764 JJK
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5. Generator's Name and Mailing Address
North Branch Environmental
7 N 458 Garden ave
Roselle, IL 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone: _____

6. Transporter 1 Company Name: **North Branch Environmental** U.S. EPA ID Number: **ILR000052977**

7. Transporter 2 Company Name: _____ U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address
Ortech
7601 W. 47th street
McCook, IL 60535 (708)762-5119

Facility's Phone: _____ U.S. EPA ID Number: **0311740001**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	Non-Hazardous Liquid	001	(1)	55				
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information
Work order 96613
97253

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded; and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offor's Printed/Typed Name: **STEVE MORROWBRAIN** Signature: *Steve Morrow* Month: **12** Day: **1** Year: **11**

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

Transporter signature (for exports only): _____

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: **Steve Morrow** Signature: *Steve Morrow* Month: **12** Day: **1** Year: **11**

Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy
18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number: _____ U.S. EPA ID Number: _____

18b. Alternate Facility (for Generator)
Facility's Phone: _____ Month: _____ Day: _____ Year: _____

18c. Signature of Alternate Facility (or Generator) _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
----	----	----	----

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: **Steve Morrow** Signature: *Steve Morrow* Month: **12** Day: **2** Year: **11**

GENERATOR
TRANSPORTER INTL
DESIGNATED FACILITY

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <i>0431825101</i>	2. Page 1 of	3. Emergency Response Phone <i>(630)529-0240</i>	4. Manifest Tracking Number 009517131 JJK			
5. Generator's Name and Mailing Address <i>NORTH BRANCH 77433 CANTON ROSELLE IL 60442</i>				Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name <i>North Branch Environmental</i>		U.S. EPA ID Number <i>UPM03504611L</i>		U.S. EPA ID Number <i>IL1800032977</i>				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address <i>ORION 7001 W. 47th Street McCook, IL 60325</i>				U.S. EPA ID Number <i>0331740001</i>				
Facility's Phone: <i>(708)762-5119</i>								
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes	
			No.	Type				
	1.	<i>Non-Hazardous Liquid Waste water</i>	<i>001</i>	<i>22</i>	<i>226</i>	<i>8</i>		
	2.							
	3.							
4.								
14. Special Handling Instructions and Additional Information <i>9431</i> <i>Work order</i>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name <i>M. Garcia</i>				Signature <i>[Signature]</i>		Month <i>3</i>	Day <i>2</i>	Year <i>12</i>
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name <i>M. Smith</i>				Signature <i>[Signature]</i>		Month <i>3</i>	Day <i>2</i>	Year <i>12</i>
Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy								
18a. Discrepancy Indication: Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
18b. Alternate Facility (or Generator)				U.S. EPA ID Number				
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)				Signature		Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <i>Juan Garcia</i>				Signature <i>Juan G</i>		Month <i>3</i>	Day <i>2</i>	Year <i>12</i>

GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 101 64348250	2. Page 1 of	3. Emergency Response Phone (630) 929-0240	4. Manifest Tracking Number 009519745 JJK
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5. Generator's Name and Mailing Address
NORTH BRANCH
72458 BARROW AVE
ROSELLE, IL

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: **North Branch Environmental** UPM035046111 U.S. EPA ID Number: **ILR000050977**

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
7001 W. 47th Street
McCook, IL 60524 (708) 762-3110 U.S. EPA ID Number: **0311740001**

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unil. Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	Non-Hazardous Liquid	001	W	220	U			
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information
Work order 99168

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offoror's Printed/Typed Name: **J. Van Hoesen Jr.** Signature: *[Signature]* Month: **10** Day: **18** Year: **12**

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **J. Van Hoesen Jr.** Signature: *[Signature]* Month: **10** Day: **18** Year: **12**

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

18. Discrepancy

18a. Discrepancy/Indication/Space Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number:

Facility's Phone: Month: Day: Year:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0434823101	2. Page 1 of	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 010613056 JJK
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5. Generator's Name and Mailing Address
**North Branch Environmental
7 N 45th Street
Rockville, IL 60172 (630)529-0240**

Generator's Site Address (if different than mailing address)

Generator's Phone: _____ U.S. EPA ID Number: **ILM000063977**

6. Transporter 1 Company Name: **North Branch Environmental** U.S. EPA ID Number: _____

7. Transporter 2 Company Name _____ U.S. EPA ID Number _____

8. Designated Facility Name and Site Address
**Chicago
7001 W. 47th Street
Als Cook, IL 60055 (708)762-3119**

U.S. EPA ID Number: **0311740391**

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	Non-Hazardous Liquid	001	H	1500	5			
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information
Waste order 99678

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offero's Printed/Typed Name: **Steve ...** Signature: _____ Month: **12** Day: **6** Year: **12**

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **Steve ...** Signature: _____ Month: **12** Day: **6** Year: **12**

Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy

18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____

Facility's Phone: _____

18c. Signature of Alternate Facility (or Generator) _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. _____ 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

GENERATOR
TRANSPORTER - INTL
DESIGNATED FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 0474825101	2. Page 1 of	3. Emergency Response Phone (630) 529-0240	4. Manifest Tracking Number 010613133 JJK	
5. Generator's Name and Mailing Address North Branch Environmental 7 W 438 Garden ave Roselle, IL 60412 (630) 529-0240				Generator's Site Address (if different than mailing address)		
6. Transporter 1 Company Name North Branch Environmental				U.S. EPA ID Number ILR000032977		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address Ortech 7601 W. 47th street McCook, IL 60535 (708) 762-3119				U.S. EPA ID Number 091174001		
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	Non-Hazardous Liquid waste water	001	W	553	W	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Work order 99682						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offoror's Printed/Typed Name Gerónimo Covarrubias				Signature <i>Gerónimo Covarrubias</i>		Month Day Year 12/10/12
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Gerónimo Covarrubias Signature <i>Gerónimo Covarrubias</i> Month Day Year 12/10/12 Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____						
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator) U.S. EPA ID Number: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year _____						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Gerónimo Covarrubias Signature <i>Gerónimo Covarrubias</i> Month Day Year 12/10/12						

GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 0434825101	2. Page 1 of	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 010613154 JJK		
5. Generator's Name and Mailing Address North Branch Environmental 7 N 450 Garden ave Rockville, IL 60172			Generator's Site Address (if different than mailing address)				
Generator's Phone: (630)529-0240		6. Transporter 1 Company Name North Branch Environmental		U.S. EPA ID Number IL-R000052877			
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Ortech 7011 W. 47th Street Alsop, IL 60525			U.S. EPA ID Number 0911740001				
Facility's Phone: (708)762-5110							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
		1. Non-Hazardous Liquid	No.	Type	200		
			002	4			
		2.					
		3.					
	4.						
14. Special Handling Instructions and Additional Information (100992) Work order							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeor's Printed/Typed Name Bill Gidew					Signature <i>Bill Gidew</i>		Month Day Year 12 17 12
16. International Shipments: <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials:							
Transporter 1 Printed/Typed Name Bill Gidew					Signature <i>Bill Gidew</i>		Month Day Year 12 17 12
Transporter 2 Printed/Typed Name					Signature		Month Day Year
18. Discrepancy:							
18a. Discrepancy Indication: Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <input type="checkbox"/>							
Manifest Reference Number: _____ U.S. EPA ID Number _____							
18b. Alternate Facility (or Generator): _____ U.S. EPA ID Number _____							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator): _____ Month Day Year _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. _____		2. _____		3. _____		4. _____	
20. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a:							
Printed/Typed Name Louise A. Anderson					Signature <i>L A</i>		Month Day Year 12 17 12

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 0434825101	2. Page 1 of	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 010613515 JJK			
5. Generator's Name and Mailing Address North Branch Environmental 7 N 4th Garden ave Reno, IL 60172 (630)529-0240				Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name North Branch Environmental				U.P.N.W.5046 III.		U.S. EPA ID Number IL1000051977		
7. Transporter 2 Company Name						U.S. EPA ID Number		
8. Designated Facility Name and Site Address 7501 W. 47th Street McCook, IL 60525 (708)763-3119						U.S. EPA ID Number 0511740001		
Facility's Phone:								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
	1. Non-Hazardous Liquid	001	H	1/5	8			
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information <p style="text-align: right;">Work order 1002-0</p>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name B. J. Johnson				Signature <i>B. J. Johnson</i>		Month 2	Day 21	Year 13
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name D. J. Johnson				Signature <i>D. J. Johnson</i>		Month 02	Day 03	Year 13
Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:						U.S. EPA ID Number		
18b. Alternate Facility (or Generator)								
Facility's Phone:						Month	Day	Year
18c. Signature of Alternate Facility (or Generator)								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name				Signature		Month	Day	Year

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY

APPENDIX B

AIR STRIPPER SPECIFICATIONS



System Performance Estimate

Client and Proposal Information:

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, IL 60084

Series chosen: 2300-P
Water Flow Rate: 20.0 GPM US
Air Flow Rate: 300 CFM
Water Temp: 50 °F
Air Temp: 50 °F
A/W Ratio: 112 :1
Safety Factor: 15%
Water Discharge Temp. 50.0 °F

Contaminant	Untreated Influent Effluent Target	Model P 2311 Effluent		Model P 2321 Effluent		Model P 2331 Effluent		SELECTED MODEL Model P 2341 Effluent		Model P 2351 Effluent	
		Lbs/hr %removal	ppmv	Lbs/hr %removal	ppmv	Lbs/hr %removal	ppmv	Lbs/hr %removal	ppmv	Lbs/hr %removal	ppmv
Benzene Solubility 1,780 ppm Mwt 78.12 71-43-2	2376 ppb 5 ppb	305 ppb 0.02 87.15%	5.60	39 ppb 0.02 98.35%	6.32	5 ppb 0.02 99.79%	6.41	<1 ppb 0.02 99.97%	6.43	<1 ppb 0.02 100.00%	6.43
Xylenes Solubility 175 ppm Mwt 106 1330-20-7	4419 ppb 10000 ppb	553 ppb 0.04 87.49%	7.71	69 ppb 0.04 98.43%	8.67	9 ppb 0.04 99.80%	8.79	1 ppb 0.04 99.98%	8.81	<1 ppb 0.04 100.00%	8.81
Toluene Solubility 515 ppm Mwt 92.13 108-88-3	2010 ppb 1000 ppb	291 ppb 0.02 85.51%	3.94	42 ppb 0.02 97.90%	4.51	6 ppb 0.02 99.70%	4.60	<1 ppb 0.02 99.96%	4.61	<1 ppb 0.02 99.99%	4.61
Ethyl Benzene Solubility 152 ppm Mwt 106.16 100-41-4	663 ppb 700 ppb	77 ppb 0.01 88.38%	1.17	9 ppb 0.01 98.65%	1.30	1 ppb 0.01 99.84%	1.32	<1 ppb 0.01 99.98%	1.32	<1 ppb 0.01 100.00%	1.32
MTBE Solubility 43,000 ppm Mwt 88.15 1634-04-4	0.011 ppb 70 ppb	<1 ppb 0.00 37.92%	0.00	<1 ppb 0.00 61.46%	0.00	<1 ppb 0.00 76.07%	0.00	<1 ppb 0.00 85.15%	0.00	<1 ppb 0.00 90.78%	0.00
Total ppb	9468 ppb	1227 ppb		160 ppb		21 ppb		3 ppb		0 ppb	
Total VOC Lbs/hr - ppmv		0.08 18.42		0.09 20.81		0.09 21.12		0.10 21.16		0.10 21.17	
Total		87.05%		98.31%		99.78%		99.97%		100.00%	

This report has been generated by ShallowTray Modeler software version IMP. This software is designed to assist a skilled operator in predicting the performance of a ShallowTray air stripping system. BISCO Environmental, Inc. is not responsible for incidental or consequential damages resulting from the improper operation of either the software or the air stripping equipment. This software is © Copyright BISCO Environmental, Inc., 2009.

APPENEDIX C

FREE PRODUCT REMOVAL 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 #: 0971855024 County: Lake

City: Wauconda Site Name: Shivam Energy, Inc.

Site Address: 399 West Liberty Street

IEMA Incident No.: 903199

IEMA Notification Date: 10/30/1990

Date this form was prepared: Sep 16, 2013

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): _____

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

35 III. Adm. Code 734:

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

35 III. Adm. Code 732:

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

35 III. 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: Shivam Energy, Inc.

Send in care of: Mr. Shawn Rodeck

Address: P.O. Box 825

City: Warrenville

State: Illinois

Zip: 60555-0825

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

Rajani Patel

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

If you have a change of address, [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: 4 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 3

Incident Numbers assigned to the site due to releases from USTs: 892744 903199

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	6,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	892744	Tank Leak
(same UST as above)	6,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	903199	Tank Leak
Gasoline	6,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	892744	Tank Leak
(same UST as above)	6,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	903199	Tank Leak
Gasoline	10,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA	
Gasoline	10,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA	
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

Add More Rows

Undo Last Add

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
	Proposed				
Drilling and Monitoring Well Costs Form	\$	\$	\$	\$	\$
Analytical Costs Form	\$	\$	\$	\$	\$
Remediation and Disposal Costs Form	\$ 2,793.55	\$	\$	\$	\$
UST Removal and Abandonment Costs Form	\$	\$	\$	\$	\$
Paving, Demolition, and Well Abandonment Costs Form	\$	\$	\$	\$	\$
Consulting Personnel Costs Form	\$ 24,547.52	\$	\$	\$	\$
Consultant's Materials Costs Form	\$ 4,290.57	\$	\$	\$	\$
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	\$ 31,631.64	\$	\$	\$	\$

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 (\$)	1,080.00
Total Cost of the System	\$1,080.00

D. Groundwater and/or Free Product Removal and Disposal

Subpart H minimum payment amount applies.

Number of Gallons	Cost per Gallon (\$)	Total Cost (\$)
2,753	0.62	1,713.55

E. Drum Disposal

Subpart H minimum payment amount applies.

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

Total Remediation and Disposal Costs:	\$2,793.55
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Remediation Materials Costs Summary Sheet

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate (\$)	Unit	Total Cost
Subcontractor (if applicable)				
Vacuum truck on-site time for dual phase extraction events	12.00	90.00	hours	\$1,080.00
Van Hoesen Industries, Inc. - North Branch				

Total of Remediation Materials Costs	\$1,080.00
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Consulting Personnel Costs Form

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
Randy Wilson	Senior Technician	133.25	76.04	\$10,132.33
FP-Field	Gauged wells, FP recovery on wells, checked for vapors, emptied passive bailer			
Kimberly Henkel	Senior Acct. Technician	15.50	64.34	\$997.34
FP-Pay	Reimbursement prep			
Shawn Rodeck	Senior Project Manager	1.50	117.00	\$175.50
FP-Plan	Project management			
Shawn Rodeck	Senior Acct. Technician	.75	64.34	\$48.26
FP-Pay	Reimbursement prep			
Shawn Rodeck	Senior Prof. Engineer	1.25	152.10	\$190.13
FP-Pay	Reimbursement review and certification			
Marcos Czako	Geologist III	3.50	102.96	\$360.36
FP-Field	Gauged wells, performed free product recovery on wells			
Marcos Czako	Geologist III	2.00	102.96	\$205.92
FP-Plan	FP Plan			
Marcos Czako	Geologist III	30.75	102.96	\$3,166.02
FP-Report	FP report prep			
Kimberly Henkel	Senior Acct. Technician	6.75	65.50	\$442.13
FP-Pay	FP reimbursement			

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
Shawn Rodeck	Senior Prof. Engineer	2.00	154.84	\$309.68
FP-Pay	Reimbursement Review and Certification			
Kimberly Henkel	Senior Admin. Assistant	3.75	53.60	\$201.00
FP-Plan	Copying and mailing of reports			
Marcos Czako	Geologist III	10.00	104.81	\$1,048.10
FP-Report	FP report prep			
Shawn Rodeck	Senior Prof. Engineer	2.75	154.84	\$425.81
FP-Report	FP review and certification			
Shawn Rodeck	Senior Acct. Technician	.50	65.50	\$32.75
FP-Pay	Reimbursement prep			
Marcos Czako	Senior Project Manager	.50	119.11	\$59.56
FP-Plan	Project management			
Meyer Design	Senior Draftperson/CAD	2.50	70.19	\$175.47
FP-Plan	Drafting of site map			
Randy Wilson	Senior Technician	48.50	74.48	\$3,612.28
FP-Field	Gauged wells, performed free product recovery on wells			
Kim Miller	Senior Project Manager	1.75	114.59	\$200.53
FP-Plan	Project Management			

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			

Kimberly Henkel	Senior Acct. Technician	7.50	63.02	\$472.65
FP-Pay	Reimbursement			

Shawn Rodeck	Engineer III	.50	114.59	\$57.30
FP-Field	Free Product System O&M Optimization			

Randy Wilson	Senior Technician	21.75	76.04	\$1,653.87
FP-Field	Gauged wells, performed free product recovery on wells			

Kim Miller	Senior Project Manager	1.00	117.00	\$117.00
FP-Field	Project Management			

Kim Henkel, Shawn Rodeck	Senior Acct. Technician	7.00	64.34	\$450.38
FP-Pay	Reimbursement			

Kim Henkel	Senior Admin. Assistant	.25	52.65	\$13.16
FP-Pay	Document Mailing			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	\$24,547.52
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Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase		Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification				
Truck		19.25	105.00	day	\$2,021.25
FP-Field	Used for consultant transportation to and from site				
Interface Probe		19.25	35.00	day	\$673.75
FP-Field	Used to gauge the wells				
Nitrile Gloves		191.00	.50	pair	\$95.50
FP-Field	Used to protect hands during recovery activities				
PID		15.25	95.00	day	\$1,448.75
FP-Field	Used to screen samples during soil boring installation activities				
USPS - 3/31/13		1.00	1.32	each	\$1.32
FP-Report	Document shipping				
USPS		3.00	10.00	each	\$30.00
FP-Report	Document Mailing				
USPS		2.00	10.00	each	\$20.00
FP-Pay	Document Mailing				

Total of Consultant Materials Costs	\$4,290.57
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APPENDIX D

**OWNER/OPERATOR AND LICENSED PROFESSIONAL
ENGINEER/GEOLOGIST BUDGET CERTIFICATION FORM**

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 903199. 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: Shivam Energy, Inc.

Authorized Representative: Rajani Patel

Title: Owner

Signature: Rajani Patel

Date: Sept. 12, 2013

Subscribed and sworn to before me the 12 day of September, 2013.

Sandra J. Rodeck
(Notary Public)

Seal:



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 information to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

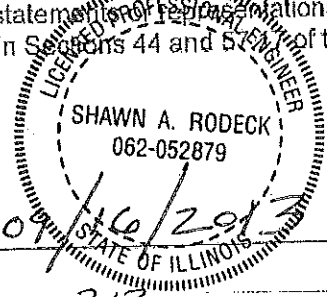
L.P.E./L.P.G.: Shawn Rodeck

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

L.P.E./L.P.G. Signature: Shawn Rodeck

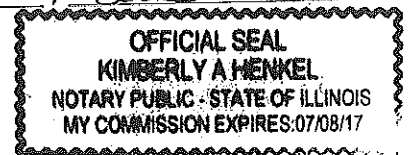
Date:

Subscribed and sworn to before me the 10 day of September, 2013.



[Signature]
(Notary Public)

Seal:



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 E

OSFM ELIGIBILITY AND DEDUCTIBLE DETERMINATION LETTER



Office of the Illinois
State Fire Marshal

"Partnering With the Fire Service to Protect Illinois"

CERTIFIED MAIL - RECEIPT REQUESTED #7008 2810 0000 2103 5290

April 28, 2009

Shivam Energy, Inc.
399 W. Liberty Street
Wauconda, IL 60084

In Re: Facility No. 2-010129
IEMA Incident No. 90-3199
Liberty Clark
399 Liberty Street
Wauconda, Lake Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on April 24, 2009 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

You have filed an "Election to Proceed as Owner" and have received acceptance from the Illinois Environmental Protection Agency. It has been determined that you are eligible to seek payment of costs in excess of \$10,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

Tank 1 6,000 gallon Gasoline
Tank 2 6,000 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 E.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 105.102(a) (2)).

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

Dorothy Gunn, 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 3 10,000 gallon Gasoline
Tank 4 10,000 gallon Gasoline

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