

AECOM 314 429 0100 tel 1001 Highlands Plaza Drive West 314 429 0462 fax Suite 300 St. Louis, MO 63110-1337 www.aecom.com

October 12, 2016

Ms. Joyce L. Munie, PE Manager, Permit Section Illinois Environmental Protection Agency Bureau of Land 1021 North Grand Avenue East Springfield, Illinois 62794

Subject: Perched Groundwater Monitoring Piezometer Abandonment Certifications Roxana, Illinois 1191150002 – Madison County Equilon Enterprises LLC d/b/a Shell Oil Products US Log No. B-43R-CA-67

Dear Ms. Munie;

AECOM Technical Services Inc. (AECOM), on behalf of Shell Oil Products US (SOPUS), is submitting the Water Well Sealing Forms for the following four perched groundwater monitoring piezometers located in the Village of Roxana, Illinois, and two located within the Wood River Refinery (WRR). This information satisfies Condition 2 of Illinois Environmental Protection Agency (IEPA) approval letter for perched groundwater monitoring location abandonments, dated July 27, 2016, as well as Condition IV(d)(6) of the IEPA Hazardous Waste Management RCRA Post-Closure Permit, most recently modified July 29, 2015.

- ROST-5-PZ (Village of Roxana)
- ROST-7-PZ (Village of Roxana)
- ROST-10-PZ (Village of Roxana)
- ROST-21-PZ (Village of Roxana)
- P-60-12S (WRR)
- P-60-13S (WRR)

If you have any questions or require further information, please contact Bob Billman at <u>bob.billman@aecom.com</u> or 314-743-4108.

Sincerely, AECOM, on behalf of Shell Oil Products US

Weby Pot

Wendy Pennington, PE Project Engineer

bat B Gillman

Robert B. Billman Senior Project Manager

- Attachments: RCRA Facility Groundwater, Leachate and Gas Reporting Form **Figure 1** Perched Groundwater Monitoring Piezometer Locations Water Well Sealing Forms
- cc: Kevin Dyer, SOPUS Eric Petersen, Phillips 66 Project File Repositories (Roxana Public Library, Roxana Village Hall, Website)



**Illinois Environmental Protection Agency** 

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

# RCRA FACILITY GROUNDWATER, LEACHATE AND GAS REPORTING FORM

This form must be used as a cover sheet for the notices and reports, identified below as required by: (1) a facility's RCRA interim status closure plan; (2) the RCRA interim status regulations; or (3) a facility's RCRA permit. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form is for use by Hazardous Waste facilities only. Reporting for Solid Waste facilities should be submitted on a separate form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section an original, plus a minimum of two copies.

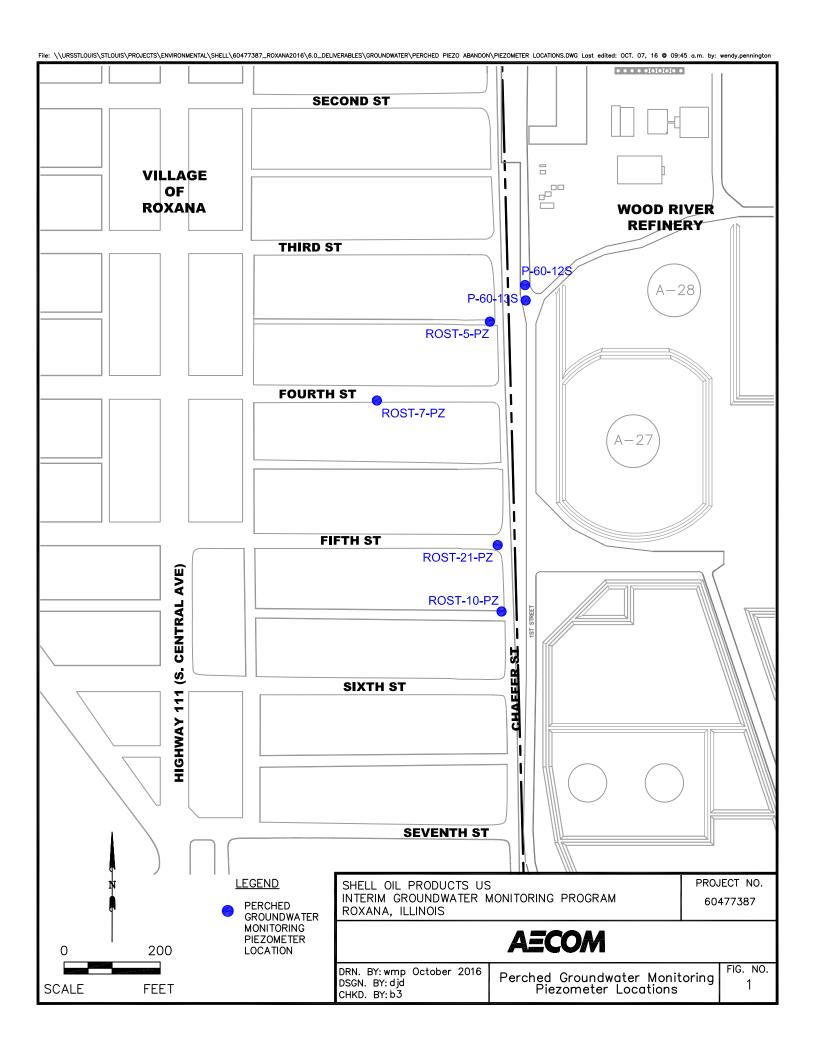
# Note: This form is not to be used with permit or closure plan modification requests. The facility's approved permit or closure plan will state whether the document you are submitting is required as a report or a modification request.

Facility Name: Equilon Enterprises LLC dba Shell Oil Products US

Facility Add	ress:	900 South Centra	l Avenue, Ro	oxana, Illinois 62084	
Site ID #: 1	11911	50002	Fed ID #:	ILD080012305	

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

	LPC-160 Forms
	Groundwater
	Quarterly - Enter: 1, 2, 3, or 4 Quarterly - Enter: 1, 2, 3, or 4
	Semi-Annual Semi-Annual
	Annual Annual
	Biennial     Biennial
	Groundwater Data (without LPC-160 Forms)
	Quarterly - Enter: 1, 2, 3, or 4 Annual Semi-Annual Biennial
	Well Construction Information
	Well Construction Forms, Boring Logs and/or Abandonment Forms
	Well Survey Data (e.g., Stick-up Elevation Data)
	Notice of Statistically Significant Evidence of Groundwater Contamination
	(35 III. Adm. Code 724.198)
	Notice of Exceedence of Groundwater Concentration Limit (35 III. Adm. Code 724.199(h))
	Notice of Alternate Source or Error in Sampling Analysis or Evaluation of Groundwater
	(35 III. Adm. Code 724.199(i))
	Gas Monitoring Reports
$\checkmark$	Other (identify)
	Water Well Sealing Forms for abandoned perched groundwater monitoring piezometers located in the
	Village of Roxana (4 located in the Village and 2 located in the Wood River Refinery).



#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 W. JEFFERSON ST. SPRINGFIELD, IL 62761



# WATER WELL SEALING FORM

# PDF FILLABLE/SAVABLE

#### RETURN ALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1.	Ownership (N	lame of Controlling Party)	Shell Oil Produ	icts US					
2.	Well Location	: Well Site Address 900	) South Central	Avenue	City	Roxana		Zip	62084
	Lot #	Land I.D.#		County Ma	adison		Tow	nship	5N
	Range 9V	V Section 34	SE	Quarter of the	NE	Quarter	of the NE		Quarter
				44.49 i e decimal part of		ites by 60, e.g. la	titude 38 degre		ليستعددهما
3.	Year Drilled		g Permit Number		Г	ROST-5-PZ			
5.	Type of Well	Monitoring	6. Total Depth	(ft.) 24		Diameter (in.)	1		
		ear of obstruction Yes ugging (bentonite, neat ceme	nt or other materi	als)					
	Filled with	Neat Cement	From (ft.)	24	4 1	to (ft.)	0.5		
	Kind of plug	Asphalt	From (ft.)	0.9	5	to (ft.)	0		
	Filled with		From (ft.)			to (ft.)			
	Kind of plug		From (ft.)			to (ft.)			
	Filled with		From (ft.)			to (ft.)			
	Kind of plug		From (ft.)			to (ft.)			
		CORD Upper 2 feet of casing ter well driller or other person	· · · · ·	Department p		e well was seal g well sealing	ed 9/15/2	016	
	Name Jo	hn Thomas Marlo		Complete Lic	ense Nu	mber 092-00	6857		
	Address	411 Transpoint Dr	City Dupo		State	Illinois	Zi	p Code	62239
		equesting discolsure of information rmation is mandatory. This form					utlined under P IL 482-0631		

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1. Ownership (Name of Controlling Party)	Shell Oil Products US		
2. Well Location: Well Site Address 900	South Central Avenue	City Roxana	Zip 62084
Lot # Land I.D.#	County Mad	lison	Township 5N
Range 9W Section 34	SE Quarter of the	NE Quarter of	the NE Quarter
GPS: North Degrees 38 Minutes 50 Report decimal minutes to minutes and second would be latitude 38 degrees 46 minutes 4.2 s	Seconds 42.89 De		de 38 degrees 46.07 minutes N
	Permit Number (and date, if kno		
5. Type of Well Monitoring	6. Total Depth (ft.) 30	Diameter (in.)	1
<ol> <li>Formation clear of obstruction Yes</li> <li>Detains of Plugging (bentonite, neat cementary)</li> </ol>	nt or other materials)		
Filled with Neat Cement	From (ft.) 30	to (ft.)	0.5
Kind of plug Asphalt	From (ft.) 0.5	to (ft.)	0
Filled with	From (ft.)	to (ft.)	
Kind of plug	From (ft.)	to (ft.)	
Filled with	From (ft.)	to (ft.)	
Kind of plug	From (ft.)	to (ft.)	
<ol> <li>9. CASING RECORD Upper 2 feet of casing</li> <li>11. Licensed water well driller or other person</li> <li>Name John Thomas Marlo</li> </ol>	L		
Address 411 Transpoint Dr	City Dupo	State Illinois	Zip Code 62239
This state agency is requesting discolsure of information Disclosure of this information is mandatory. This form	on that is necessary to accomplish the	e statutory purpose as outli	



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1. Ownership (Name of Controlling Party)	Shell Oil Products U	8			
2. Well Location: Well Site Address 90	) South Central Avenu	ue City Ro	oxana	Zip	62084
Lot # Land I.D.#	Coun	y Madison	Tow	nship	5N
Range 9W Section 34	NE Quarte	r of the SE	Quarter of the NE		Quarter
GPS: North Degrees 38 Minutes 50	Seconds 30.9	West Degrees 90			s 35.77
Report decimal minutes to minutes and secon would be latitude 38 degrees 46 minutes 4.2 s					/ minutes in
3. Year Drilled 2009 4. Drillin	g Permit Number (and d	ate, if known ROS	ST-21-PZ		
5. Type of Well Monitoring	6. Total Depth (ft.)	20 Di	ameter (in.)		
<ol> <li>Formation clear of obstruction Yes</li> <li>Detains of Plugging (bentonite, neat ceme</li> </ol>	nt or other materials)				
Filled with Neat Cement	From (ft.)	20 to (	ft.) 0.5		
Kind of plug Asphalt	From (ft.)	0.5 to (	ft.) 0		
Filled with	From (ft.)	to (	ft.)		
Kind of plug	From (ft.)	to (	ft.)		
Filled with	From (ft.)	to (	ft.)		
Kind of plug	From (ft.)	to (	ft.)		
<ol> <li>CASING RECORD Upper 2 feet of casing</li> <li>Licensed water well driller or other persor</li> </ol>	·		ell was sealed 9/15/2 ell sealing	.016	
Name John Thomas Marlo	Comp	lete License Numb	er 092-006857		]
Address 411 Transpoint Dr	City Dupo	State II	linois Zi	ip Code	62239
This state agency is requesting discolsure of information Disclosure of this information is mandatory. This form					

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2. Well Location:       Well Site Address       900 South Central Avenue       City       Roxana       Zip       62084         Lot #       Land I.D.#       County       Madison       Township       5N         Range       9W       Section       34       NE       Quarter of the       SE       Quarter of the       NE       Quarter         GPS: North       Degrees       38       Minutes       50       Seconds       38.37       Degrees       90       Minutes       4       Seconds       35.47         Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60. e.g. latitude 38 degrees 46.07 minutes N       would be latitude 38 degrees 46.07 minutes N       would be latitude 38 degrees 46.07 minutes N         3. Year Drilled       2009       4.       Drilling Permit Number (and date, if known       ROST-10-PZ         5. Type of Well       Monitoring       6.       Total Depth (ft.)       20       Diameter (in.)       1         7. Formation clear of obstruction       Yes       Yes       S       Detains of Plugging (bentonite, neat cement or other materials)       Filled with       Neat Cement       From (ft.)       0.5       to (ft.)       0.5         Filled with       Neat Cement       From (ft.)       0.5       to (ft.)       <
Range       9W       Section       34       NE       Quarter of the       SE       Quarter of the       NE       Quarter         GPS: North Degrees       38       Minutes       50       Seconds       38.37       Degrees       90       Minutes       4       Seconds       35.47         Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60. e.g. latitude 38 degrees 46.07 minutes N       would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.         3. Year Drilled       2009       4. Drilling Permit Number (and date, if known       ROST-10-PZ         5. Type of Well       Monitoring       6. Total Depth (ft.)       20       Diameter (in.)       1         7. Formation clear of obstruction       Yes       Yes       Seconds (0.07 x 60 = 4.2) to (ft.)       0.5         8. Detains of Plugging (bentonite, neat cement or other materials)       From (ft.)       20       to (ft.)       0.5         Filled with       Neat Cement       From (ft.)       0.5       to (ft.)       0       1         Filled with       From (ft.)       0.5       to (ft.)       0       1       1       1         Filled with       From (ft.)       to (ft.)       0       1       1       1
GPS: North       Degrees       38       Minutes       50       Seconds       38.37       Degrees       90       Minutes       4       Seconds       35.47         Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46.07 minutes N       No
Degrees       38       Minutes       50       Seconds       38.37       Degrees       90       Minutes       4       Seconds       35.47         Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.         3. Year Drilled       2009       4. Drilling Permit Number (and date, if known       ROST-10-PZ         5. Type of Well       Monitoring       6. Total Depth (ft.)       20       Diameter (in.)       1         7. Formation clear of obstruction       Yes       8       Detains of Plugging (bentonite, neat cement or other materials)         Filled with Neat Cement       From (ft.)       20       to (ft.)       0.5         Kind of plug       Asphalt       From (ft.)       0.5       to (ft.)       0         Filled with       From (ft.)       to (ft.)       0       1       1         Filled with       From (ft.)       to (ft.)       0       1       1         Filled with       From (ft.)       to (ft.)       0       1       1
5. Type of Well       Monitoring       6. Total Depth (ft.)       20       Diameter (in.)       1         7. Formation clear of obstruction       Yes         8. Detains of Plugging (bentonite, neat cement or other materials)         Filled with       Neat Cement       From (ft.)       20       to (ft.)       0.5         Kind of plug       Asphalt       From (ft.)       0.5       to (ft.)       0         Filled with       From (ft.)       0.5       to (ft.)       0         Filled with       From (ft.)       to (ft.)       0
7. Formation clear of obstruction       Yes         8. Detains of Plugging (bentonite, neat cement or other materials)         Filled with       Neat Cement         From (ft.)       20         to (ft.)       0.5         Kind of plug       Asphalt         From (ft.)       0.5         to (ft.)       0         Filled with       From (ft.)         Kind of plug       From (ft.)         to (ft.)       0         Filled with       From (ft.)         to (ft.)       0
8. Detains of Plugging (bentonite, neat cement or other materials)         Filled with       Neat Cement       From (ft.)       20       to (ft.)       0.5         Kind of plug       Asphalt       From (ft.)       0.5       to (ft.)       0         Filled with       From (ft.)       From (ft.)       to (ft.)       0         Filled with       From (ft.)       to (ft.)       0
Kind of plug       Asphalt       From (ft.)       0.5       to (ft.)       0         Filled with       From (ft.)       to (ft.)       0         Kind of plug       From (ft.)       to (ft.)       0         Filled with       From (ft.)       to (ft.)       0         Filled with       From (ft.)       to (ft.)       0
Filled with       From (ft.)       to (ft.)         Kind of plug       From (ft.)       to (ft.)         Filled with       From (ft.)       to (ft.)
Kind of plug       From (ft.)       to (ft.)         Filled with       From (ft.)       to (ft.)
Filled with         From (ft.)         to (ft.)
Kind of plug
Kind of plug From (ft.) to (ft.)
<ul> <li>9. CASING RECORD Upper 2 feet of casing removed Yes</li> <li>10. Date well was sealed 9/15/2016</li> <li>11. Licensed water well driller or other person approved by the Department performing well sealing</li> <li>Name John Thomas Marlo</li> <li>Complete License Number 092-006857</li> </ul>
Address       411 Transpoint Dr       City       Dupo       State       Illinois       Zip Code       62239         This state agency is requesting discolsure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863.

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1. Ownership (Na	ame of Controlling Party)	Shell Oil Prod	ucts US					
2. Well Location:	Well Site Address 900	South Central	l Avenue	] City [	Roxana		Zip	62084
Lot #	Land I.D.#		County Ma	dison	, , , , , , , , , , , , , , , , ,	Towr	nship	5N
Range 9W	Section 35	SW	Quarter of the	NW	Quarter	of the NW		Quarter
GPS: North Degree Report decimal	es 38 Minutes 50	Seconds	45.31 [	Vest Degrees		·	Second	L
	de 38 degrees 46 minutes 4.2 se							
3. Year Drilled	2009 4. Drilling	Permit Number	(and date, if kr	iown P	-60-12S			
5. Type of Well	Monitoring	6. Total Depth	n (ft.) 24		Diameter (in.)	0.75		
<ol> <li>Formation cleat</li> <li>Detains of Plug</li> </ol>	ar of obstruction Yes gging (bentonite, neat cement	t or other mater	ials)					
Filled with	Neat Cement	From (ft.)	20	) to	o (ft.)	0		
Kind of plug		From (ft.)		to	o (ft.)			
Filled with		From (ft.)		to	o (ft.)			
Kind of plug		From (ft.)		to	o (ft.)			
Filled with		From (ft.)		to	o (ft.)			
Kind of plug		From (ft.)		to	o (ft.)			
	ORD Upper 2 feet of casing a er well driller or other person a				well was seale well sealing	ed 9/15/20	016	
Name Joh	n Thomas Marlo		Complete Lice	ense Nun	nber 092-006	5857		]
Address	411 Transpoint Dr	City Dupo		State	Illinois	Zip	o Code	62239
	questing discolsure of informatior mation is mandatory. This form h					tlined under Pi IL 482-0631		



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1. Ownership (Name of Controlling Party)	Shell Oil Products US							
2. Well Location; Well Site Address	00 South Central Avenue	City Roxana	Zip 62084					
Lot # Land I.D.#	County Ma	dison	Township 5N					
Range 9W Section 35	SW Quarter of the	NW Quarter of	of the NW Quarter					
GPS: North Degrees 38 Minutes 50	Seconds 45.03	Vest Jegrees 90 Minut						
Report decimal minutes to minutes and seco would be latitude 38 degrees 46 minutes 4.2								
3. Year Drilled 2009 4. Drillin	ng Permit Number (and date, if kn	own P-60-13S						
5. Type of Well Monitoring	6. Total Depth (ft.) 20	Diameter (in.)	0.75					
<ol> <li>Formation clear of obstruction Yes</li> <li>Detains of Plugging (bentonite, neat cement or other materials)</li> </ol>								
Filled with Neat Cement	From (ft.) 20	to (ft.)	0					
Kind of plug	From (ft.)	to (ft.)						
Filled with	From (ft.)	to (ft.)						
Kind of plug	From (ft.)	to (ft.)						
Filled with	From (ft.)	to (ft.)						
Kind of plug NESTED PIEZO w/ 2nd	From (ft.)	to (ft.)						
9. CASING RECORD Upper 2 feet of casir 11. Licensed water well driller or other perso		0. Date well was seale rforming well sealing	ed 9/15/2016					
Name John Thomas Marlo	Complete Lice	nse Number 092-006	857					
Address 411 Transpoint Dr	City Dupo	State Illinois	Zip Code 62239					
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