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**Lashway, Lisa**

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**From:** Alexander.Shelkonovzeff@dep.nj.gov  
**Sent:** Monday, August 31, 2015 1:48 PM  
**To:** robin.austermann@shell.com; jbucaro@petromg.com  
**Cc:** cpittarese@gesonline.com; Wilpert, Frank; Lashway, Lisa; cccemail@co.morris.nj.us  
**Subject:** Remedial Action Permit Document for : 004784 - Shell Flanders  
**Attachments:** 66697\_RAP150001\_22080240.pdf

Attached is a Remedial Action Permit issued pursuant to the Site Remediation Reform Act, N.J.S.A. 58:10C-1 et seq. and the Administrative Requirements for the Remediation of Contaminated Sites, N.J.A.C. 7:26C-1 et seq. This permit becomes effective on September 5, 2015. Please note the referenced permit and program interest numbers and refer to them when corresponding with the Department, if necessary.

The enclosed permit requires the permittee(s) to conduct monitoring, maintenance, and evaluation for compliance and effectiveness of the remedial action and its associated institutional and/or engineering control. The permit establishes all requirements necessary for demonstrating that the remedial action and control continue to be protective of public health, safety, and the environment.

The Department looks forward to future continued cooperation in working together to provide a healthy environment for the citizens of New Jersey and to protect its resources. If you have any questions or comments, please respond to this email or call the Bureau of Remedial Action Permitting at 609-984-2990 and ask for myself or my Bureau Chief Robert Soboleski.

Thank you,

Alexander Shelkonovzeff  
(609) 777-1947



## State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE  
*Governor*

BOB MARTIN  
*Commissioner*

KIM GUADAGNO  
*Lt. Governor*

Site Remediation & Waste Management Program  
*Remediation Oversight Element*  
*Bureau of Remedial Action Permitting*  
401 E. State Street  
P.O. Box 420  
Mail Code 401-05L  
Trenton, NJ 08625-0420  
Phone: (609) 984-2990  
Fax: (609) 777-4285

August 31, 2015

Robin Austermann, SGW Program Manager  
Motiva Enterprises, LLC  
PMB#534, 100 Springdale Road, Suite A3  
Cherry Hill, NJ 08003

Jeff Bucaro  
Petroleum Marketing Group, Inc.  
2359 Research Court  
Woodbridge, VA 22192

RE: Ground Water Remedial Action Permit  
Site Name: Shell Flanders  
A/K/A: Shell Service Station 138353  
Address: 285 Route 206  
City: Mount Olive Township  
County: Morris  
SRP Program Interest #: 004784  
Ground Water Remedial Action Permit #: RAP150001

Dear Mr. Bucaro and Ms. Austermann:

Enclosed is a Ground Water Remedial Action Permit issued pursuant to the Site Remediation Reform Act, 58:10C-1 et seq. and the Administrative Requirements for the Remediation of Contaminated Sites at N.J.A.C. 7:26C-1 et seq. This permit becomes effective on September 5, 2015. Please note the referenced permit and program interest numbers and refer to them when corresponding with the Department.

The enclosed permit requires the permittee to conduct monitoring, maintenance and evaluation for compliance and effectiveness of the remedial action and its associated institutional control. The permit establishes all requirements necessary for demonstrating that the remedial action and control continue to be protective of public health, safety and the environment.

The Technical Requirements for Site Remediation (Technical Requirements) at N.J.A.C. 7:26E-1.8 define remediation to include a remedial action. The Technical Requirements further define remedial action such that "... A remedial action continues as long as an engineering control or an institutional control is needed to protect the public health and safety and the environment, and until all unrestricted use remediation standards are met." Therefore, a person who is implementing a remedial action that includes an engineering or institutional control is conducting remediation, and that person is required to hire a licensed site remediation professional (LSRP) pursuant to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS; see N.J.A.C. 7:26C-2.3(a) and (b)).

At all times, an LSRP is required to be retained for a case that has a Deed Notice, Classification Exception Area, Soil Remedial Action Permit, and/or Ground Water Remedial Action Permit until the remedial action(s) is no longer needed to protect the public health and safety and the environment, and until all unrestricted use remediation standards are met. The LSRP must be retained to operate, maintain, and monitor the institutional and/or engineering controls at the site, to ensure that the remedial action(s) remains protective of public health and safety and the environment, and to ensure compliance with the requirements of the Deed Notice, Classification Exception Area, Soil Remedial Action Permit, and/or the Ground Water Remedial Action Permit. This includes but is not limited to site inspections, ground water sampling, biennial submission of a Soil and/or Ground Water Remedial Action Protectiveness/Biennial Certification Form and Report, responding to any activities involving the institutional and/or engineering controls at the site, and responding to any public inquiries regarding the current status of the site. It is the responsibility of the LSRP certifying the Remedial Action Permit application to inform the Responsible Entity of the requirement regarding LSRP retention for a case that has a Soil and/or Ground Water Remedial Action Permit.

An LSRP may be retained or dismissed for a case that has an approved Soil and/or Ground Water Remedial Action Permit through the New Jersey Department of Environmental Protection online portal ([www.nj.gov/dep/online/](http://www.nj.gov/dep/online/)) by choosing the "LSRP Retention" or "LSRP Release" submission type selection option within the "LSRP Notification of Retention or Dismissal" service, and choosing the "Remedial Action Permit" activity in the case selection page. Please note that the Bureau of Remedial Action Permitting records the LSRP Retention for pending Remedial Action Permit Applications so there is no need to perform this function online. Also note that the LSRP Comprehensive Report ([datamine2.state.nj.us/DEP\\_OPRA/OpraMain/categories?category=SRRA](http://datamine2.state.nj.us/DEP_OPRA/OpraMain/categories?category=SRRA)) now includes information pertaining to approved Soil and Ground Water Remedial Action Permits to which the LSRP is assigned.

Please be aware that there are annual fees associated with this permit in accordance with N.J.A.C. 7:26C-4.6. These annual permit fees will be handled by invoicing the fee billing contact we have on record:

Stacy Festa, Administrative Service Manager  
Groundwater & Environmental Services, Inc.  
1340 Campus Parkway  
Neptune, NJ 07753  
Phone: (800) 220-3068  
Email: sfesta@gesonline.com

Any changes to this contact should be brought to the Department's attention. Changes to fee billing contacts are updates and are not considered modifications to the permit.

The Department looks forward to future continued cooperation in working together to provide a healthy environment for the citizens of New Jersey and to protect its resources. Going forward, questions or comments regarding this permit should be addressed to the Bureau of Remedial Action Permitting at 609-984-2990, attention Robert Soboleski, Bureau Chief.

Sincerely,



Wayne C. Howitz, Assistant Director  
Remediation Oversight Element

Enclosure

cc: Mount Olive Township Clerk (By Email)  
Mount Olive Township Health Department (By Email)  
Morris County Clerk (By Email)  
Christopher Pittarese, LSRP, Groundwater & Environmental Services, Inc. (By Email)

**New Jersey Department of Environmental Protection**



**Bureau of Remedial Action Permitting**  
401 East State Street  
P.O. Box 420  
Mail Code 401-05S  
Trenton, NJ 08625-0420  
Phone #: 609-984-2990  
Fax #: 609-777-4285

**GROUND WATER REMEDIAL ACTION PERMIT  
MONITORED NATURAL ATTENUATION**

The New Jersey Department of Environmental Protection hereby grants you a Remedial Action Permit pursuant to N.J.S.A. 58:10C-1 et seq. and N.J.A.C. 7:26C-1 et seq. for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your remedial action will be protective of human health and the environment.

This permit establishes the monitoring, maintenance, and evaluation requirements for determining the effectiveness of an on-going ground water remediation. The monitoring program for this site shall be consistent with the attached Ground Water Monitoring Plan. A Classification Exception Area/Well Restriction Area (CEA/WRA) has been established for the site and is consistent with the attached CEA/WRA Fact Sheet.

**Site Name:** Flanders Shell

**Program Interest ID #:** 004784

**A/K/A:** Shell Service Station #138353

<b>Facility Address:</b> 285 Route 206 Mount Olive Township, NJ 07836 Morris County Block: 6100, Lot: 1	<b>RA PERMIT #:</b> RAP150001
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**Permit Type:** Monitored Natural Attenuation

**Person Responsible for Conducting the Remediation - Co-Permittee:**

Robin Austermann, SGW Program Manager  
Motiva Enterprises, LLC  
PMB#534, 100 Springdale Road, Suite A3  
Cherry Hill, NJ 08003  
Phone: (586) 506-3284  
Email: robin.austermann@shell.com  
 Primary Responsibility for Permit Compliance

**Property Owner - Co-Permittee:**

Jeff Bucaro  
Petroleum Marketing Group, Inc.  
2359 Research Court  
Woodbridge, VA 22192  
Phone: (703) 496-1071  
Email: jbucaro@petromg.com

Ground Water Remedial Action Permit #: RAP150001  
Site Name: Shell Flanders  
PI #: 004784

**Issuance Date:**

08/31/2015

**Effective Date:**

09/05/2015

**I. Authority**

The Department is issuing this permit in accordance with N.J.S.A. 58:10C-1 et seq. and N.J.A.C. 7:26C-1 et seq.

**II. Permit Requirements**

**A. GROUND WATER MONITORING REPORTING AND REQUIREMENTS**

**1. Reporting Requirements**

a. The permittee shall submit a monitoring report in accordance with the schedule in the attached Ground Water Monitoring Plan. Submit the required monitoring report with the Remedial Action Protectiveness/Biennial Certification Form biennially from the effective date of this permit. [N.J.A.C. 7:26C- 7.9(a)]

**2. Sampling and Analysis**

a. Sampling is to occur according to the applicable method(s) obtained from the Field Sampling Procedures Manual (the sampling method is noted in the site-specific Quality Assurance Performance Plan). [N.J.A.C. 7:26E- 2.1]

b. Samples are to be analyzed for the parameters listed in the attached Ground Water Monitoring Plan using the method or most recent revision of the method noted in the site-specific Quality Assurance Performance Plan. The method chosen must have adequate sensitivity to meet all applicable remediation standards/screening levels. The permittee shall collect and analyze samples pursuant to the attached Ground Water Monitoring Plan. [N.J.A.C. 7:26E- 2.1]

**B. REMEDIAL ACTION PROTECTIVENESS/BIENNIAL CERTIFICATION FORM**

**1. Reporting Requirements**

a. The permittee shall prepare and submit to the Department a Remedial Action Protectiveness/Biennial Certification Form every two years following the anniversary of the date of the effective date of this permit. The certification shall be submitted on the required form provided by the Department. Submit a Remedial Action Protectiveness/Biennial Certification Form biennially from the effective date of this permit. [N.J.A.C. 7:26C- 7.7(a)1]

**2. Evaluation Requirements**

a. The permittee shall hire a Licensed Site Remediation Professional to prepare and certify that the remedial action continues to be protective of the public health and safety and the environment. [N.J.A.C. 7:26C- 1.5(a)2]

b. The permittee shall conduct the remediation in accordance with all applicable statutes, rules, and guidance. [N.J.A.C. 7:26C- 1.2(a)]

- c. The Remedial Action Protectiveness/Biennial Certification Form shall include a comparison of the laws, Ground Water Quality Standards, and other regulations applicable at the time the Department established the ground water classification exception area, with any relevant subsequently promulgated or modified laws or regulations to determine whether the classification exception area remains protective. The results shall be provided in table format, comparing of applicable laws, regulations, and standards. [N.J.A.C. 7:26C- 7.9(b)2]
- d. The Remedial Action Protectiveness/Biennial Certification Form shall include an evaluation of whether there are any planned changes within a 25-year water use planning horizon for the aquifer(s) in which the ground water classification exception area is located since the Department established the ground water classification exception area or the last completed biennial review, whichever is more recent. [N.J.A.C. 7:26C- 7.9(b)3]
- e. The Remedial Action Protectiveness/Biennial Certification Form shall include an evaluation of whether there have been any actual changes in the ground water use since the Department established the ground water classification exception area or the last completed biennial review. The results of the evaluation of the changes in ground water use include a scaled map identifying all wells and/or waterlines found within one mile from any part of the boundaries of the ground water classification exception area. [N.J.A.C. 7:26C- 7.9(b)4]
- f. The permittee shall maintain a maintenance and evaluation log for each monitoring well used to establish the ground water classification exception area. The log shall include a description of any well damage or vandalism identified or repairs completed. If any of the damage resulted in the decommissioning of a well, provide a copy of the Well Abandonment Report. [N.J.A.C. 7:26C- 7.9(b)5]
- g. The Remedial Action Protectiveness/Biennial Certification Form shall include an evaluation of any land use disturbance that may intercept the water table within the area of the ground water classification exception area that could result in a contaminated discharge to surface water. If any such disturbances are identified, sample the ground water/surface water down-gradient and proximate to the land use disturbance to determine whether the ground water meets the more stringent of either: (1) The New Jersey Surface Water Quality Standards, N.J.A.C. 7:9B; or (2) The Federal Surface Water Quality Criteria, 40 CFR Part 131. [N.J.A.C. 7:26C- 7.9(b)6]
- h. The Remedial Action Protectiveness/Biennial Certification Form shall include an evaluation of the fate and transport of the ground water contamination plume, including any additional remediation conducted, modification of the remedial action, or proposed revision of the ground water classification exception area, and apply for a modification of the Ground Water Remedial Action Permit to ensure that the remedial action remains protective of the public health and safety and the environment. [N.J.A.C. 7:26C- 7.9(b)7i and (d)2]
- i. The permittee shall evaluate any changes in property use that may increase the risk of vapor intrusion from volatile ground water contaminants. The permittee has voluntarily placed an institutional control (CEA) on the property that will delay the initial sub-slab sampling at Service Station building until the remediation of soil and/or ground water contamination is completed, or the site use changes. [N.J.A.C. 7:26C- 7.9(b)7ii and (d)2]
- j. Within 180 calendar days after the anticipated expiration date of the ground water classification exception area, the permittee shall collect at least two rounds of ground water samples such that the time between sampling events accounts for seasonal fluctuations in the ground water table and the number of ground water samples collected is representative of the entire horizontal and vertical extent of the ground water classification exception area. If

ground water samples indicate that contaminant concentrations have decreased to or below the applicable ground water quality standards throughout the ground water classification exception area, then the permittee may request that the Department remove the ground water classification exception area pursuant to N.J.A.C. 7:26C-7.3(g) and terminate the Ground Water Remedial Action Permit pursuant to N.J.A.C. 7:26C-7.13. If ground water samples indicate that contaminant concentrations have not decreased to or below the applicable ground water quality standards throughout the ground water classification exception area, then the permittee shall modify the remedial action by re-modeling the fate and transport of the ground water contaminant plume, proposing a revision to the ground water classification exception area, and applying for a modification of the Ground Water Remedial Action Permit pursuant to N.J.A.C. 7:26C-7.12. [N.J.A.C. 7:26C- 7.9(f)]

#### C. FINANCIAL ASSURANCE REQUIREMENTS

##### 1. No Engineering Control

a. Financial Assurance is not required since an engineering control is not in place for this site. [N.J.A.C. 7:26C- 7.10]

#### D. FEES

1. For each year hereafter on the anniversary of the effective date of this permit, the Department shall invoice the permittees the amount of the annual Remedial Action Permit Fee. [N.J.A.C. 7:26C- 4.6]

#### E. PERMIT TRANSFERS

1. The permittee shall, at least 60 days prior to the sale or transfer of the property, or transfer of the operation of the property, or termination of a lease, submit a Remedial Action Permit Transfer/Change of Ownership Application and pay the permit transfer fee to the Department. [N.J.A.C. 7:26C- 7.11(b)]

#### F. PERMIT MODIFICATIONS

##### 1. Ground Water Permit Modifications

a. The permittee shall apply to have the Department modify a Remedial Action Permit within 30 days after a statement that the permittee has completed a protectiveness evaluation required in its permit and has determined that the remedial action is not adequately protective of the public health and safety and of the environment, and stating the reasons for coming to this conclusion. [N.J.A.C. 7:26C- 7.12(b)1]

b. The permittee shall apply to have the Department modify a Remedial Action Permit within 30 days after the size, duration, or contaminants of a classification exception area need to be modified. [N.J.A.C. 7:26C- 7.12(b)2]

c. The permittee shall apply to have the Department modify a Remedial Action Permit within 30 days after the person responsible for conducting the remediation modifies the remedial action. [N.J.A.C. 7:26C- 7.12(b)4]

d. The permittee shall apply to have the Department modify a Remedial Action Permit within 30 days after the permittee changes its address. [N.J.A.C. 7:26C- 7.12(b)6]

## G. PERMIT TERMINATIONS

1. A request for a permit termination can be filed by submitting a Remedial Action Permit Application to terminate the permit to the Department when the remedial action meets all applicable remediation standards without the need for the Remedial Action Permit and the remedial action is protective of the public health and safety and of the environment without the presence of the Remedial Action Permit. [N.J.A.C. 7:26C- 7.13]

## H. FORM SUBMITTAL

1. Any forms, applications or documents required by this chapter that can be submitted in an electronic format shall be submitted electronically 90 days after the date that the Department informs the public in the New Jersey Register that the relevant electronic application is functional. [N.J.A.C. 7:26C- 1.6(c)]
2. All submissions required pursuant to this permit shall be made on forms approved and available from the Department. These forms and instructions for completing these forms can be found at <http://www.nj.gov/dep/srp/srra/forms>. [N.J.A.C. 7:26C- 1.6]

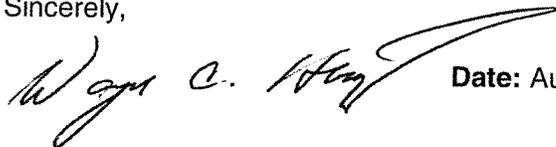
## III. Permit Schedule

Permit Effective Date: 09/05/2015	
Submission Requirement	Due Date
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2017
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2019
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2021
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2023
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2025
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2027
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2029
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2031
Submit a Remedial Action Protectiveness/Biennial Certification Form	09/05/2033
Submit a Ground Water Remedial Action Permit Application (Modification or Termination)	05/02/2034

Remedial Action Protectiveness/Biennial Certification Forms are required to be submitted according to the schedule, and shall continue to be submitted until the Permit is terminated or modified.

Your Ground Water Remedial Action Permit under Administrative Requirements for the Remediation of Contaminated Sites, N.J.A.C. 7:26C-1 et seq. has been approved by the New Jersey Department of Environmental Protection.

Sincerely,



Date: August 31, 2015

Wayne C. Howitz, Assistant Director  
Remediation Oversight Element

## IV. Attachments:

- A. CEA/WRA Fact Sheet
  - B. GW Monitoring Plan
- CEA ID: CEA1137122  
Block: 6100, Lot: 1

Ground Water Remedial Action Permit #: RAP150001  
Site Name: Shell Flanders  
PI #: 004784

**Attachment A**  
**Classification Exception Area/Well Restriction Area Fact Sheet**

**Case Information:**

<b>Preferred Id:</b>	004784
<b>RAP Number:</b>	RAP150001
<b>Case Name:</b>	Shell Flanders
<b>Address:</b>	285 Route 206 Mount Olive Township
<b>County:</b>	Morris

--- Site Location: Refer to Exhibit A ---

**Block and Lot of the CEA:**

<b><u>Subject Item</u></b>	<b><u>Block</u></b>	<b><u>Lot</u></b>	<b><u>Municipality</u></b>	<b><u>Off-Site</u></b>
CEA101137122	6100	1	Mount Olive Twp	No

**Facility Contacts:**

<b>Co-Permittees: Person Responsible for Conducting the Remediation:</b>	Robin Austermann, SGW Program Manager Motiva Enterprises, LLC PMB#534, 100 Springdale Road, Suite A3 Cherry Hill, NJ 08003 Phone: (586) 506-3284 Email: robin.austermann@shell.com
<b>Property Owner:</b>	Jeff Bucaro Petroleum Marketing Group, Inc. 2359 Research Court Woodbridge, VA 22192 Phone: (703) 496-1071 Email: jbucaro@petromg.com

**CEA Information:**

<b><u>Subject Item</u></b>	<b><u>Description</u></b>
CEA101137122	The CEA remains on-site. Ground water flow direction is southwest. The horizontal extent of the CEA is 4832 sq.ft.

<b><u>Subject Item</u></b>	<b><u>Affected Aquifer</u></b>	<b><u>Vertical Depth</u></b>
CEA101137122	Leithsville Formation	40

<b><u>Subject Item</u></b>	<b><u>Classification</u></b>
CEA101137122	II-A

**Contaminants:**

This CEA/WRA applies only to the contaminants listed in the table below. All constituents standards (N.J.A.C. 7:9C-1.6) apply at the designated boundary.

<b><u>Subject Item</u></b>	<b><u>Contaminant</u></b>	<b><u>Concentration (1)</u></b>	<b><u>GWQS (2)</u></b>
CEA101137122	Benzene	128	1
CEA101137122	Ethylbenzene	1930	700
CEA101137122	Synthetic Organic Chemicals - [Individual]	2600	100
CEA101137122	Synthetic Organic Chemicals - [Total]	7760	500
CEA101137122	Toluene	9850	600
CEA101137122	Xylenes - [Total]	10100	1000

Note: (1) Maximum concentration detected at the time of CEA establishment  
(2) Ground Water Quality Standards

**--- CEA Boundaries: Refer to Exhibit B ---**

**Projected Term of CEA:**

<b><u>Subject Item</u></b>	<b><u>Date Established</u></b>
CEA101137122	8/31/2015

<b><u>Subject Item</u></b>	<b><u>Duration in Years</u></b>
CEA101137122	18.2

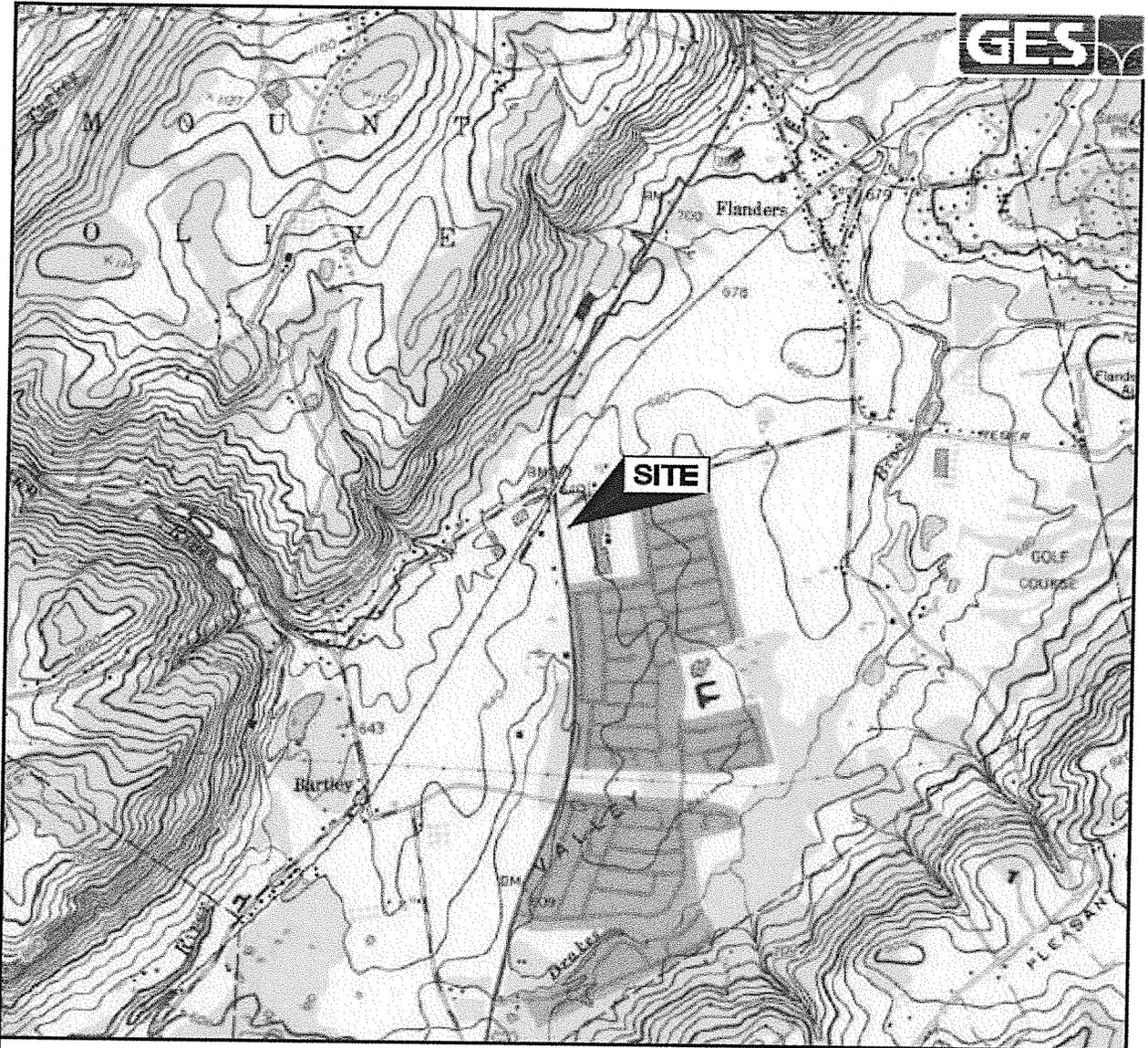
<b><u>Subject Item</u></b>	<b><u>Expected Expiration Date</u></b>
CEA101137122	10/31/2033

**Note:** Since ground water quality data indicates exceedance of contaminants above the Primary Drinking Water Standards, and the designated uses of Class II-A aquifers include potable use, the CEA established for this site is also a Well restriction Area. The extent of the Well Restriction Area shall coincide with the boundaries of the CEA.

**Well Restrictions set within the boundaries of the CEA**

<b><u>Subject Item</u></b>	<b><u>Restriction</u></b>
CEA101137122	<u>Double Case Wells</u> : With the exception of monitoring wells installed into the first water bearing zone, any proposed well to be installed within the CEA/WRA boundary shall be double cased to an appropriate depth in order to prevent any vertical contaminant migration pathways. This depth is either into a confining layer or 50 feet below the vertical extent of the CEA.
CEA101137122	<u>Evaluate Production Wells</u> : Any proposed high capacity production wells in the immediate vicinity of the CEA/WRA should be pre-evaluated to determine if pumping from these wells would draw a portion of the contaminant plume into the cone of capture of the production wells or alter the configuration of the contaminant plume.
CEA101137122	<u>Sample Potable Wells</u> : Any potable well to be installed within the footprint of the CEA/WRA shall be sampled annually for the parameters of concern. The first sample shall be collected prior to using the well. If contamination is detected, contact your local Health Department. If the contamination is above the Safe Drinking Water Standards, then the NJDEP Hot Line should be called. Treatment is required for any well that has contamination above the Safe Drinking Water Standards.

# Exhibit A: Site Location Map



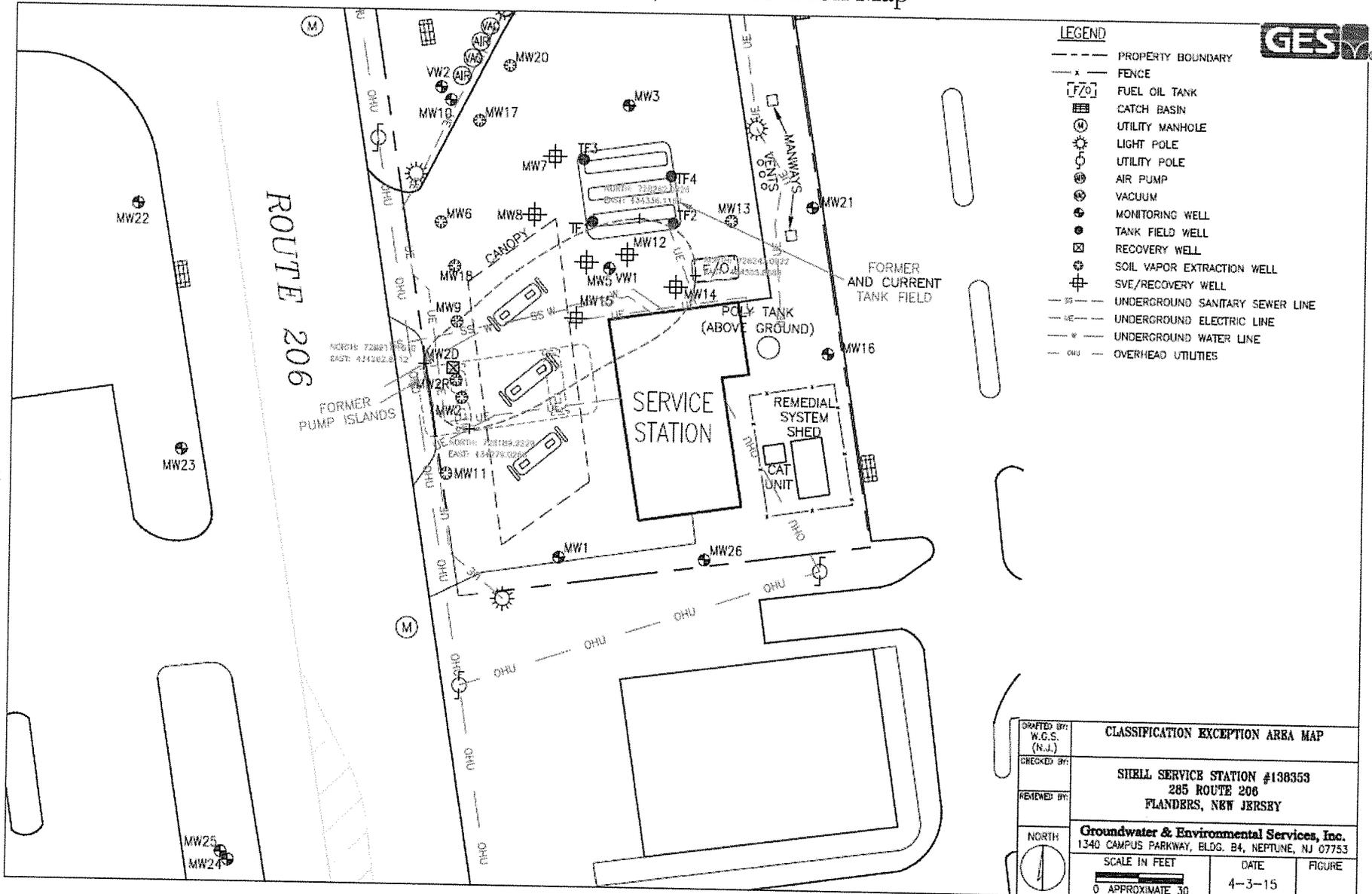
M:\Graphic\60300-WestShell\Shell138353\Flanders\_SJ\_M.dwg, Layer:1, 5/26/01 2:27:53 PM, WSPass

SOURCE: USGS 7.5 MINUTE SERIES  
 TOPOGRAPHIC QUADRANGLE 1980  
 CHESTER, NEW JERSEY  
 CONTOUR INTERVAL = 20'



DRAFTED BY: W.G.S. (N.J.)	<b>SITE LOCATION MAP</b>		
CHECKED BY:	<b>SHELL SERVICE STATION #138353</b>		
REVIEWED BY:	<b>285 ROUTE 206</b>		
	<b>FLANDERS, NEW JERSEY</b>		
NORTH 	<b>Groundwater &amp; Environmental Services, Inc.</b>		
	1340 CAMPUS PARKWAY, NEPTUNE, NJ 07753		
	SCALE IN FEET 	DATE 5-2-12	FIGURE 1

# Exhibit B: CEA/WRA Location Map



DRAFTED BY: W.G.S. (N.J.)	CLASSIFICATION EXCEPTION AREA MAP	
CHECKED BY:	SHELL SERVICE STATION #136353 285 ROUTE 206 FLANDERS, NEW JERSEY	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, BLDG. B4, NEPTUNE, NJ 07753	
NORTH	SCALE IN FEET 0 APPROXIMATE 30	DATE 4-3-15
		FIGURE

Attachment B  
Ground Water Monitoring Plan for  
Ground Water Remedial Action Permit

**Case Information:**

<b>Preferred ID:</b>	004784
<b>RAP Number:</b>	RAP150001
<b>Case Name:</b>	Shell Flanders
<b>Address:</b>	285 Route 206
<b>City:</b>	Mount Olive Township
<b>County:</b>	Morris County
<b>Block and Lot of the Site:</b>	Block: 6100, Lot: 1

**Monitoring Schedule:**

<b>Well to be sampled</b>	<b>Type of Well</b>	<b>Easting</b>	<b>Northing</b>	<b>Sampling Schedule</b>	<b>Reporting Schedule</b>	<b>Sampling parameters for each well</b>
MW-2D	Plume fringe	434273	728210	Biennially	Biennially	Benzene
MW-5	Area of Concern	434318	728247	Biennially	Biennially	BTEX
						Synthetic Organic Chemicals – [Total]
						Synthetic Organic Chemicals – [Total]
MW-12	Area of Concern	434332	728250	Biennially	Biennially	Ethylbenzene
						Xylenes – [Total]
						Synthetic Organic Chemicals – [Total]
						Synthetic Organic Chemicals – [Total]
MW-23	Sentinel	434180	728181	Annually	Biennially	BTEX
						Synthetic Organic Chemicals – [Total]
						Synthetic Organic Chemicals – [Total]
MW-25	Sentinel	434198	728041	Annually	Biennially	BTEX
						Synthetic Organic Chemicals – [Total]
						Synthetic Organic Chemicals – [Total]