



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation Program

Bureau of Ground Water Pollution Abatement

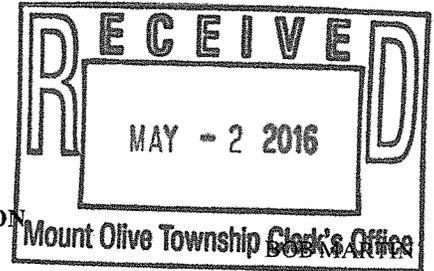
Mail Code: 401-05V

P.O. Box 420

Trenton, NJ 08625-0420

Phone: (609) 292-8427

Fax: (609) 633-1454



CHRIS CHRISTIE  
Governor

KIM GUADAGNO  
Lt. Governor

CC: Health 5/2/16  
Adm  
OPW  
Jes

April 27, 2016

LUKOIL North America, LLC  
Attn: James Gallagher, Sr. Manager  
302 Harper Drive, Suite 303  
Moorestown, NJ 08057

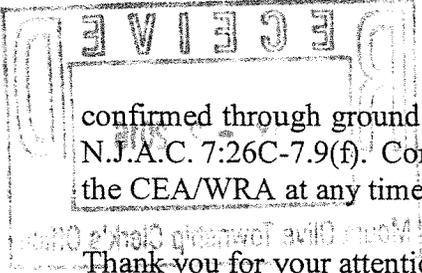
Re: Classification Exception Area/Well Restriction Area  
LUKOIL Service Station #57203  
292 Route 206 S.  
Mount Olive Township, Morris County  
Program Interest Number: 007190  
Subject Item ID: CEA100044969

Dear Mr. Gallagher,

Please be advised that the New Jersey Department of Environmental Protection (Department) has established a Classification Exception Area/Well Restriction Area (CEA/WRA) for contamination in ground water associated with this site. A CEA/WRA is an institutional control that the Department uses to restrict the use of ground water within an area where ground water contaminant concentrations exceed the applicable Ground Water Quality Standards (N.J.A.C. 7:9C-1.7). The Department has established this CEA/WRA in response to information submitted to the Department by former Licensed Site Remediation Professional (LSRP), Michelle Herishko, on a CEA/WRA Fact Sheet Form received by the Department on February 27, 2014, and amended by electronic correspondence dated April 22, 2016, by present LSRP Mark Marotta.

The CEA/WRA is described on the enclosed CEA/WRA Fact Sheet. As indicated on the Fact Sheet, ground water within the CEA/WRA contains BTEX, MTBE, TBA, Naphthalene, and tentatively identified compounds (TICs) at concentrations that exceed the Ground Water Quality Standards. The contamination is attributed to discharges that occurred at the site referenced above and remediation of the contamination is presently being conducted. Please note that the LSRP has reported that there are no potable wells within the CEA boundary and that the area is served by municipal water. Therefore, the contamination associated with this CEA will not affect the quality of drinking water in the area.

The CEA/WRA is set to expire on April 24, 2032, at which time it is expected that the Ground Water Quality Standards will be attained. Attainment of the Ground Water Quality Standards must be



confirmed through ground water sampling within 180 days after the expiration date, pursuant to N.J.A.C. 7:26C-7.9(f). Consistent with N.J.A.C. 7:26C-7.3, the Department may revise or remove the CEA/WRA at any time in the interim on the basis of new ground water data.

Thank you for your attention to this matter. If you have any comments or questions regarding this CEA/WRA, please contact Muhammad Sarwar at (609) 777-1953.

Sincerely,

Mary Anne Kuserk, Chief  
Bureau of Ground Water Pollution Abatement

Enclosure

- c: Mark Marotta, LSRP, Brilliant Environmental Services LLC  
Bureau of Information Systems  
Mount Olive Township Clerk  
Morris County Clerk  
County of Morris Department of Planning & Development  
Morris County Office of Health Management

# Classification Exception Area/Well Restriction Area

## Case Information

<u>Subject Item</u>	<u>Designation</u>
CEA100044969	89-10-05-0923

**Case ID:** 007190 - LSR100001  
**Case Number:** 89-10-05-1923 57203  
**Preferred Id:** 007190  
**Case:** LUKOIL Service Station #57203  
**Address:** 292 Rt 206 S  
**City:** Mount Olive Twp  
**County:** Morris

### Lot and Block of the Case

<u>Block</u>	<u>Lot</u>
6800	5

**Site Location: Refer to Exhibit A – Site Location Map**

### Lot and Block of the CEA

<u>Subject Item</u>	<u>Block</u>	<u>Lot</u>	<u>Municipality</u>
CEA100044969	6800	5	Mount Olive Twp

### Facility Contact(s)

**Responsible Party(s):** LUKOIL North America, LLC  
Attn: James Gallagher, Sr. Manager  
302 Harper Drive, Suite 303  
Moorestown, NJ 08057

**NJDEP Contact:** Bureau of Ground Water Pollution Abatement  
Phone: (609) 292-8427

## CEA Information

<u>Subject Item</u>	<u>Description</u>
CEA100044969	The CEA originates at the former tank field area in the northern portion of the site. It extends to the clean sentinel well (MW-14D) to the south, the property boundary to the east, and the clean side gradient well (MW-9D) to the west.

<u>Subject Item</u> CEA100044969	<u>Affected Formation</u> Leithsville	<u>Vertical Depth</u> 50 feet
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<u>Subject Item</u> CEA100044969	<u>Classification</u> II-A
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**Contaminants**

This CEA/WRA applies only to the contaminants listed in the table below. The ground water quality criteria / primary drinking water standards for these contaminants are listed in micrograms per liter. All constituents' standards (N.J.A.C. 7:9C-1.6) apply at the designated boundary. Consistent with N.J.A.C. 7:26E-2.1(d), if Tentatively Identified Compounds are present, all alkane concentrations attributed to petroleum product contamination are to be totaled and treated as a single individual compound (Synthetic Organic Chemical).

<u>Subject Item</u>	<u>Contaminant</u>	<u>Concentration (1)</u>	<u>GWQS (2)</u>
CEA100044969	Benzene	2420 Micrograms Per Liter	1 Micrograms Per Liter
CEA100044969	Ethylbenzene	2150 Micrograms Per Liter	700 Micrograms Per Liter
CEA100044969	Lead	40.8 Micrograms Per Liter	5 Micrograms Per Liter
CEA100044969	Methyl tert-butyl ether	183 Micrograms Per Liter	70 Micrograms Per Liter
CEA100044969	Naphthalene	681 Micrograms Per Liter	300 Micrograms Per Liter
CEA100044969	Synthetic Organic Chemicals - Non Carcinogen [Total]	10350 Micrograms Per Liter	500 Micrograms Per Liter
CEA100044969	Tert-butyl alcohol	498 Micrograms Per Liter	100 Micrograms Per Liter
CEA100044969	Toluene	22300 Micrograms Per Liter	600 Micrograms Per Liter
CEA100044969	Xylenes (total)	11000 Micrograms Per Liter	1000 Micrograms Per Liter

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

**CEA Boundary: Refer to Exhibit B – CEA Boundary Map**

**Projected Term of CEA:**

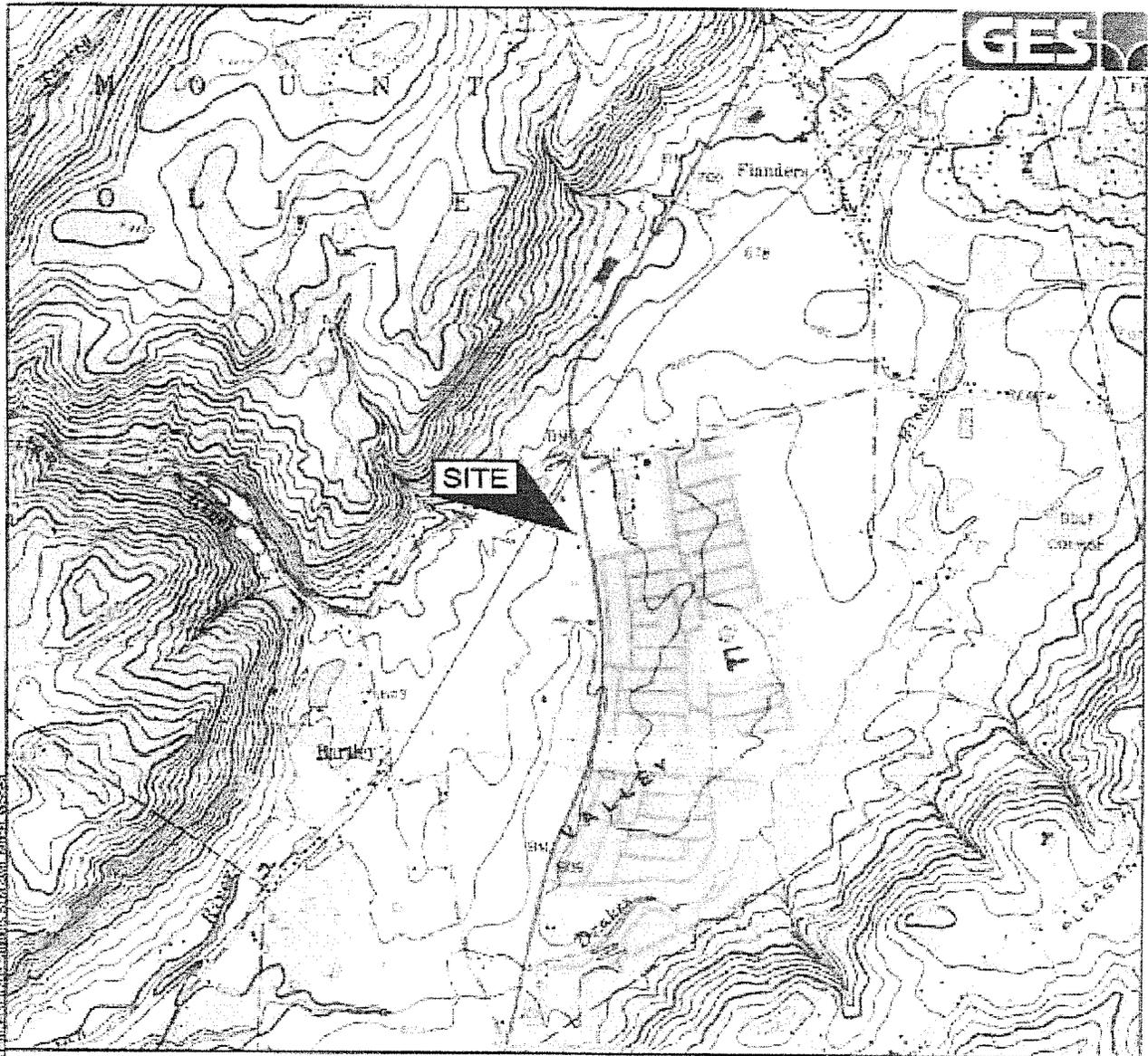
<u>Subject Item</u> CEA100044969	<u>Date Established</u> 4/27/2016
<u>Subject Item</u> CEA100044969	<u>Duration in Years</u> 16
<u>Subject Item</u> CEA100044969	<u>Date Lifted</u> 4/24/2032

**Note** Since groundwater 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 Well Restriction shall coincide with the boundaries of the CEA

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

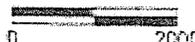
<i>Subject Item</i>	<i>Restriction</i>
CEA100044969	Double Case Wells: With the exception of monitoring wells installed into the first water bearing zone, any proposed well to be installed within the CEA/WRA boundary shall be double cased to an appropriate depth in order to prevent any vertical contaminant migration pathways. This depth is either into a confining layer or 50 feet below the vertical extent of the CEA.
CEA100044969	Evaluate Production Wells: 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.
CEA100044969	Sample Potable Wells: 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



SOURCE: USGS 7.5 MINUTE SERIES  
 TOPOGRAPHIC QUADRANGLE 1981  
 CHESTER, NEW JERSEY  
 CONTOUR INTERVAL = 20'



DRAFTED BY: W.G.S. (N.J.)	<b>SITE LOCATION MAP</b>	
CHECKED BY:	<b>LNA SERVICE STATION #57203 292 ROUTE 206 SOUTH FLANDERS, NEW JERSEY</b>	
REVIEWED BY:	<b>Groundwater &amp; Environmental Services, Inc. 1340 CAMPUS PARKWAY, NEPTUNE, NJ 07753</b>	
NORTH 	SCALE IN FEET 	DATE 2-5-14
		FIGURE 1



