

DEP 20180079



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation and Waste Management Program

Bureau of Ground Water Pollution Abatement

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PHIL MURPHY

Governor

CATHERINE R. MCCABE

Commissioner

SHEILA OLIVER

Lt. Governor

21 November 2018

Jen Hurley, Project Manager
Kinder Morgan
2 North Nevada Avenue
Colorado Springs, Colorado 80903

Re: Classification Exception Area/Well Restriction Area
Former Coastal Mart Site #7207 (aka Sunoco SS #0821-1468)
6390 Harding Highway & Route 522
Mays Landing, Atlantic County
Program Interest Number: 001172
Subject Item ID: CEA100049182

Dear Ms. Hurley,

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 Licensed Site Remediation Professional (LSRP), Piotr Serwik, on a CEA/WRA Fact Sheet Form received by the Department on 20 October 2017.

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 benzene, toluene, ethylbenzene, xylenes (BTEX), and tert-butyl alcohol (TBA) at concentrations that exceed the Class I-PL Ground Water Quality Standards. The contamination is attributed to discharges that occurred at the site referenced above. 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 1 April 2023, 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 David Van Eck at (609) 633-2427.

Sincerely,



Mary Anne Kuserk, Chief
Bureau of Ground Water Pollution Abatement

Enclosure

c: Piotr Serwik, AECOM
Bureau of Information Systems
Tonya Spitzer
Pam Demaree, Hamilton Pointe HOA
Hamilton Township Clerk
Hamilton Township Health Dept.
Edward P. McGettigan, Atlantic County Clerk
Patricia Diamond, Atlantic County Public Health Officer
John Peterson, Atlantic County Department of Regional Planning and Development
Pinelands Commission

Classification Exception Area/Well Restriction Area

Case Information: Subject Item Designation Activity Number
 CEA100049182 00-12-08-1156-57 LSR110001

Case ID: 001172 - LSR110001
Case Number: 00-12-08-1156-57 BSCM C2
Preferred Id: 001172
Case: Coastal Mart #7207 (aka Sunoco SS #0821-1468)
Address: 6390 Harding Hwy & Route 522
City: Hamilton Twp.
County: Atlantic

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>	<u>Off-Site</u>
CEA100049182	671	2	Hamilton Twp	No
CEA100049182	672.04	1	Hamilton Twp	Yes

Facility Contact(s)

LSRP: Piotr Serwik
 AECOM
 625 West Ridge Pike, Suite E-100
 Conshohocken, PA 19428

Person Responsible for Conducting the Remediation: Jen Hurley, Project Manager
 Kinder Morgan
 2 North Nevada Avenue
 Colorado Springs, Colorado 80903

Property Owner: Tonya Spitzer
 556 Forest Grove Rd.
 Vineland, NJ 08360

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

CEA Information

<u>Subject Item</u>	<u>Description</u>
CEA100049182	The CEA is approx. 0.39 acres, and extends offsite to the southeast approx. 175 feet under Millville Road to Westwood Road. Delineated by monitoring wells.

<u>Subject Item</u>	<u>Affected Geologic Formation</u>	<u>Vertical Depth</u>
CEA100049182	Cohansey	30

<u>Subject Item</u>	<u>Classification</u>
CEA100049182	I-PL

Contaminants

This CEA/WRA applies only to the contaminants listed in the table below. Pursuant to N.J.A.C. 7:9C-1.6, all constituent standards of the surrounding classification area apply at the CEA perimeter.

<u>Subject Item</u>	<u>Contaminant</u>	<u>Concentration (1)</u>	<u>GWQS (2)</u>
CEA100049182	Benzene	18.8 Micrograms Per Liter	.001 Micrograms Per Liter
CEA100049182	Ethylbenzene	262 Micrograms Per Liter	.001 Micrograms Per Liter
CEA100049182	Tert-butyl alcohol	10.8 Micrograms Per Liter	.001 Micrograms Per Liter
CEA100049182	Toluene	54.7 Micrograms Per Liter	.001 Micrograms Per Liter
CEA100049182	Xylenes (total)	750 Micrograms Per Liter	.001 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

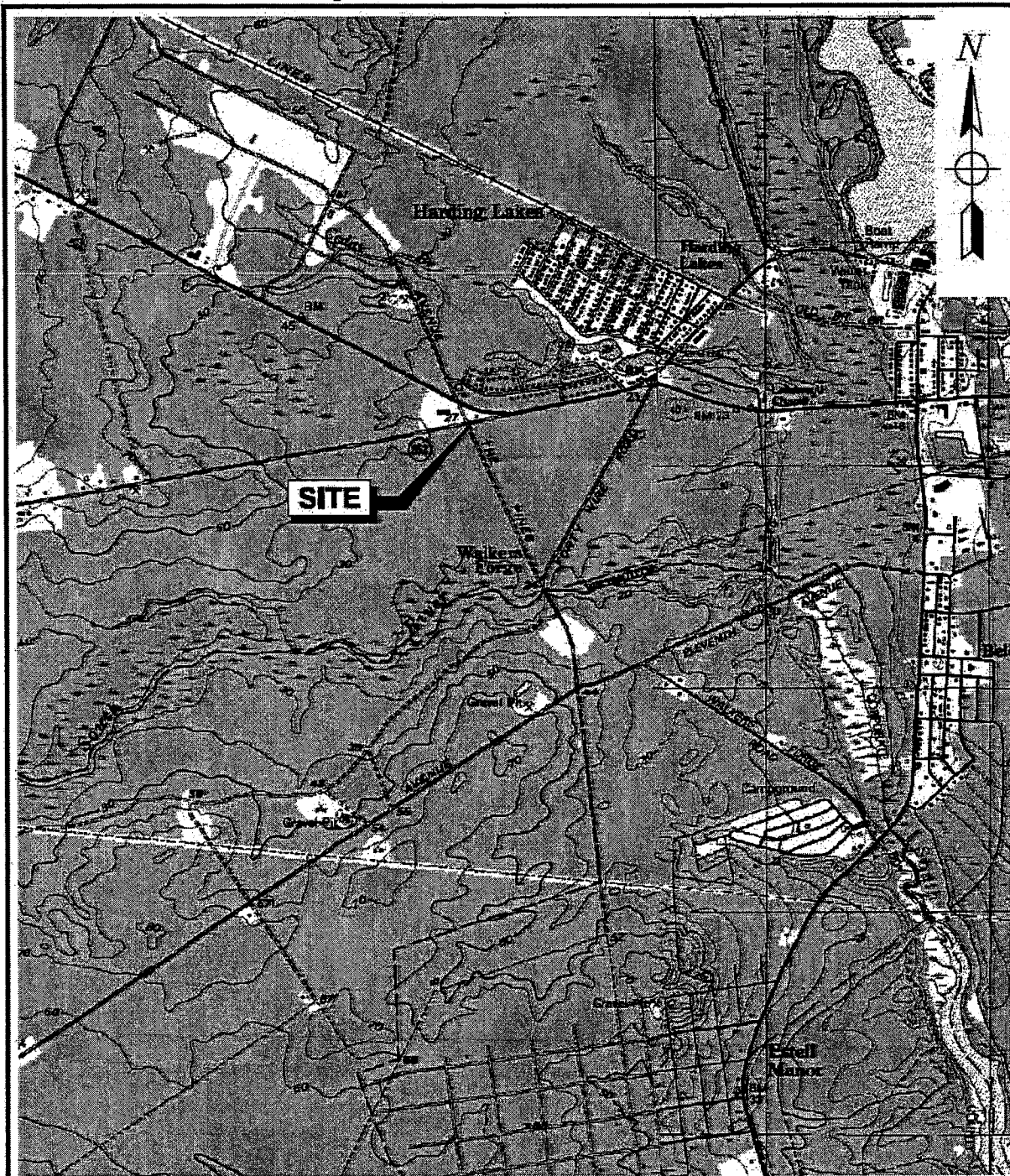
Projected Term of CEA:

<u>Subject Item</u>	<u>Date Established</u>
CEA100049182	11/21/2018

<u>Subject Item</u>	<u>Duration in Years</u>
CEA100049182	4.4

<u>Subject Item</u>	<u>Anticipated Expiration Date</u>
CEA100049182	1 April 2023

Exhibit A – Site Location Map



SITE

REFERENCE:
DOROTHY, NEW JERSEY
USGS QUADRANGLE, 1956,
REVISED 1972.
& MAYS LANDING, NEW JERSEY
USGS QUADRANGLE, 1989.

0 1000 2000 3000 4000 FEET

GRAPHIC SCALE



QUADRANGLE LOCATION

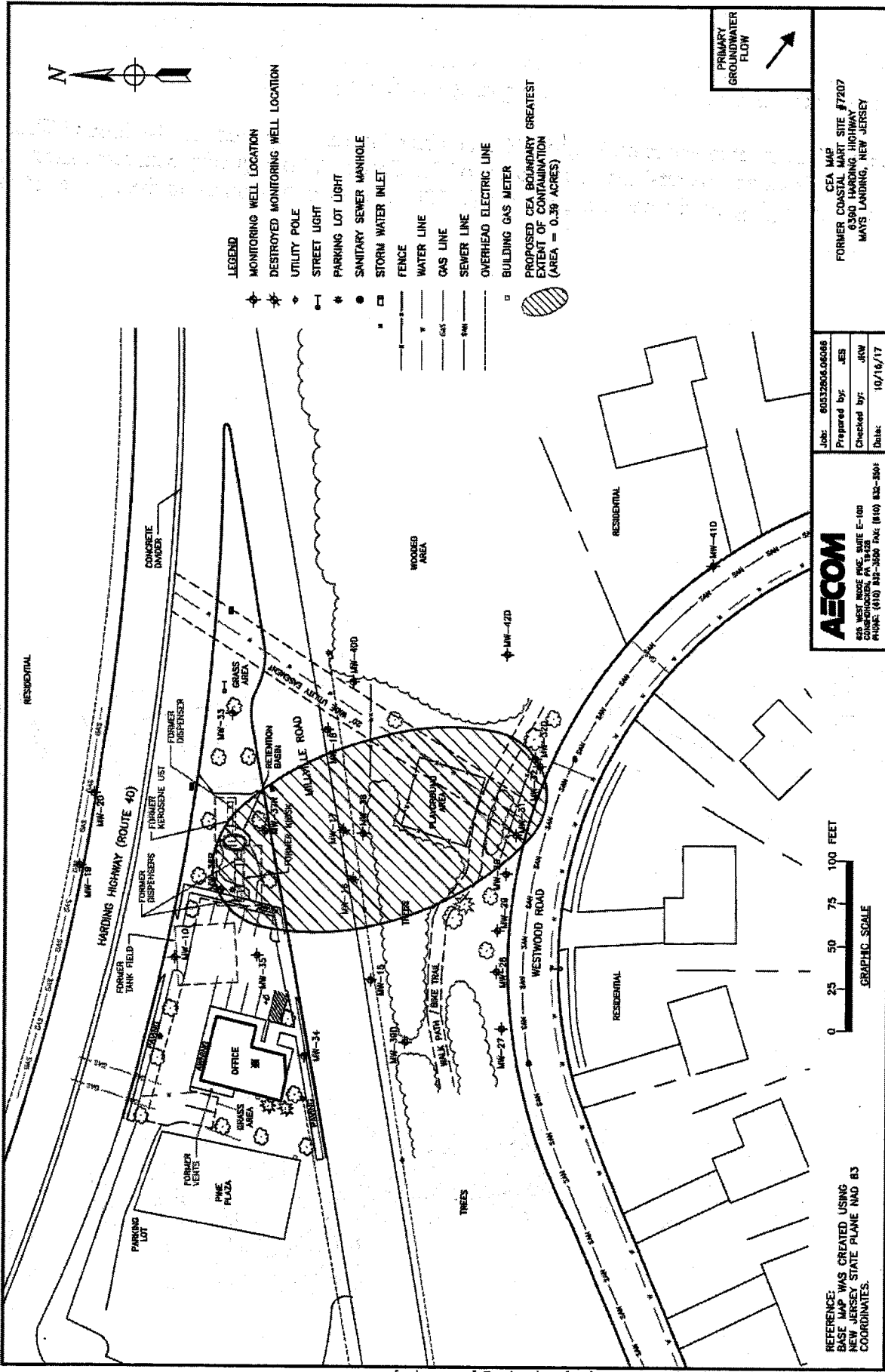
AECOM
825 WEST RIDGE PIKE, SUITE E-100
CONSHOHOCKEN, PA 19428
PHONE 610-832-3500; FAX 610-832-3501

Job: 60438254.09088
Prepared by: JES
Checked by: JKW
Date: 10/18/17

SITE VICINITY MAP
FORMER COASTAL SERVICE STATION #7207
6390 HARDING HIGHWAY
MAYS LANDING, NEW JERSEY

FIGURE 1

Exhibit B - CEA Boundary Map



- LEGEND**
- ★ MONITORING WELL LOCATION
 - ★ DESTROYED MONITORING WELL LOCATION
 - ◇ UTILITY POLE
 - ⊙ STREET LIGHT
 - ⊙ PARKING LOT LIGHT
 - SANITARY SEWER MANHOLE
 - STORM WATER INLET
 - FENCE
 - WATER LINE
 - GAS LINE
 - SEWER LINE
 - OVERHEAD ELECTRIC LINE
 - BUILDING GAS METER
 - ▨ PROPOSED CEA BOUNDARY GREATEST EXTENT OF CONTAMINATION (AREA = 0.39 ACRES)

AECOM
 625 WEST MOORE PkE., SUITE E-100
 PLUMS: (610) 847-3800 FAX: (610) 832-3501

Job: 80532806.06066	Prepared by: JES
Checked by: JKW	Date: 10/16/17

0 25 50 75 100 FEET
 GRAPHIC SCALE

REFERENCE: BLUE MAP WAS CREATED USING NEW JERSEY STATE PLUME NAD 83 COORDINATES.

CEA MAP
 FORMER COASTAL MART SITE #7207
 6390 HARDING HIGHWAY
 MAYS LANDING, NEW JERSEY

Well Restrictions set within the boundaries of the CEA

Since groundwater quality data within the CEA indicates exceedance of the Primary Drinking Water Standards, and the primary designated uses of Class II-A ground water is the provision of potable water supply, the CEA established for this site is also a Well Restriction Area, pursuant to N.J.A.C. 7:9C-1.6(d). The extent of Well Restriction shall coincide with the boundaries of the CEA unless otherwise specified.

<i>Subject Item</i>	<i>Restriction</i>
CEA100049182	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.
CEA100049182	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.
CEA100049182	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.