



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation and Waste Management Program
Bureau of Ground Water Pollution Abatement

Mail Code: 401-05V

P.O. Box 420

Trenton, NJ 08625-0420

Phone: (609) 292-8427

PHIL MURPHY
Governor

SHEILA OLIVER
Lt. Governor

CATHERINE R. MCCABE
Acting Commissioner

May 16, 2018

Thomas Catapano
NJEDA
36 West State Street, P.O. Box 990
Trenton, NJ 08625-0990

Re: Revised Classification Exception Area/Well Restriction Area Associated with Historic Fill
Riverfront State Prison
Delaware Avenue and Elm Street
Camden City, Camden County
Program Interest Number: 015986
Subject Item ID: CEA100025072

Dear Mr. Catapano,

The New Jersey Department of Environmental Protection (Department) established a Classification Exception Area/Well Restriction Area (CEA/WRA) for contamination in the ground water at this site on June 10, 2015. Although contamination in the ground water at this site remains above the Ground Water Quality Standards (N.J.A.C. 7:9C-1.7), a block and lot number adjustment has been provided which necessitates a revision to the established CEA to more accurately reflect the property boundary at the above-mentioned site. The information was provided by the Licensed Site Remediation Professional (LSRP), Brian A. Blum, on a CEA/WRA Fact Sheet Form received by the Department on December 18, 2017. The Department has revised the CEA/WRA to reflect the correct block (79) and lot (13) numbers, as described by the enclosed CEA Fact Sheet.

The CEA/WRA is described in the enclosed CEA/WRA Fact Sheet. The CEA/WRA has an indeterminate duration, and no fees, monitoring, maintenance, or reporting requirements are associated with it. The Department will have the responsibility for maintaining this CEA/WRA.

Thank you for your attention to this matter. If you have any comments or questions regarding this CEA/WRA, please contact Colleen Lane at (609) 292-1926.

Sincerely,

A handwritten signature in black ink, reading "Mary Anne Kuserk". The signature is written in a cursive, flowing style.

Mary Anne Kuserk, Chief
Bureau of Ground Water Pollution Abatement

Enclosure

c: Brian A. Blum, Langan Engineering and Environmental Services
Bureau of Information Systems
Camden County Clerk
Camden County Health Officer
Planning Director

Classification Exception Area/Well Restriction Area for Historic Fill

Case Information

<u>Subject Item</u>	<u>Designation</u>
CEA100025072	015986

Case ID: 015986 - VIC150001
Case Number: N10-7208/ 10-08-13-1534-49
Preferred Id: 015986
Case: Riverfront State Prison
Address: Delaware Ave & Elm St

City: Camden City
County: Camden

Lot and Block of the Case

<u>Block</u>	<u>Lot</u>
79	13

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>
CEA100025072	79	13	Camden City

NJDEP Contact: New Jersey Department of Environmental Protection
Bureau of Remedial Action Permitting
Mail Code 401-05S
P.O. Box 420
Trenton, NJ 08625-0420
Phone: (609) 984-2990

CEA Information

<u>Subject Item</u>	<u>Description</u>
CEA100025072	The CEA is bound to the west by the Delaware River, Delaware Avenue to the east, F.W. Winter Inc. & Co to the south, the North Camden Pump Station and township water tower to the SW, a PSE&G electric

<u>Subject Item</u>	<u>Affected Formation</u>	<u>Vertical Depth</u>
CEA100025072	Magothy Formation	10 feet

<u>Subject Item</u>	<u>Classification</u>
CEA100025072	II-A

Contaminant

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.

<i>Subject Item</i>	<i>Contaminant</i>	<i>Concentration (1)</i>	<i>GWQS (2)</i>
CEA100025072	Aluminum	1610 Micrograms Per Liter	200 Micrograms Per Liter
CEA100025072	Arsenic	23.7 Micrograms Per Liter	3 Micrograms Per Liter
CEA100025072	Iron	26900 Micrograms Per Liter	300 Micrograms Per Liter
CEA100025072	Manganese	1460 Micrograms Per Liter	50 Micrograms Per Liter
CEA100025072	Sodium	102000 Micrograms Per Liter	50000 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>
CEA100025072	6/10/2015

<u>Subject Item</u>	<u>Duration in Years</u>
CEA100025072	Indeterminate

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>
CEA100025072	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.
CEA100025072	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.
CEA100025072	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

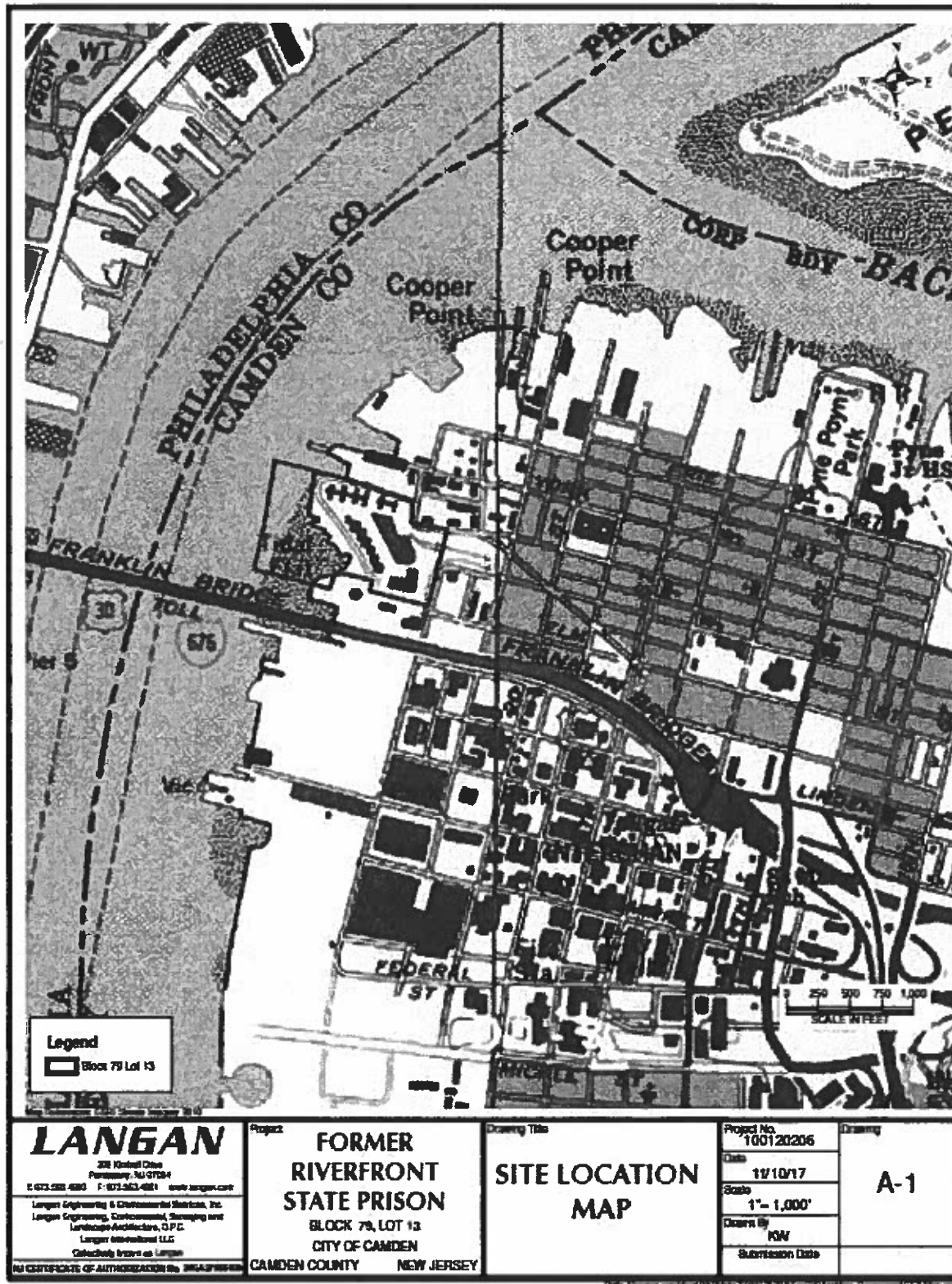


Exhibit B- CEA Boundary Map

