



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

SHAWN LATOURETTE

Commissioner

SHEILA OLIVER

Lt. Governor

January 14, 2022

Bryan Dempsey
423 Warren Avenue
Spring Lake, NJ 07762

Re: Classification Exception Area/Well Restriction Area
Spring Lake Public Works Water Treatment Plant
501 Fifth Avenue (Monmouth & 5th Avenues)
Spring Lake, Monmouth County
Program Interest Number: 009736
Subject Item ID: CEA100000026202
Activity Number: LSR120001

Dear Bryan Dempsey,

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 by Licensed Site Remediation Professional (LSRP), Patricia Calvert, on a CEA/WRA Fact Sheet Form received by the Department on May 2, 2019 and amended by electronic correspondence dated January 11, 2022.

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 Metals at concentrations that exceed the 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. Therefore, the contamination associated with this CEA will not affect the quality of drinking water in the area.

The CEA/WRA is indeterminate at this time. 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.

Please note, while the Department has established the CEA, additional ground water sampling points may be necessary to confirm the horizontal and/or vertical extent of contamination. As

stated in the Department's January 2020 policy statement of the interpretation of SRRA requirement for completion of remedial investigation, "while the remedial investigation does not need to include actual clean zone sampling data to demonstrate contaminant delineation to the applicable remediation standards and screening criteria, such sampling data are required to demonstrate attainment of the applicable remediation standards and screening criteria at the conclusion of the remedial action and prior to the Department issuing a remedial action permit, if applicable, and the LSRP issuing the Response Action Outcome (RAO)".

Additionally, please note, the establishment of this CEA does not constitute any Department approval to abandon monitoring wells for the site. It is recommended that monitoring wells not be abandoned until the remedial action is complete and the Department has issued a Ground Water Remedial Action Permit for the site, if required. Further, please note that nothing in this correspondence affects your potential liability and obligations to the State Trustee, the Department or its Commissioner regarding natural resource injuries, restoration, or damages.

If you have any comments or questions regarding this CEA/WRA, please contact Michael Russo at (609) 777-1953.

Sincerely,

A handwritten signature in black ink, appearing to read "Mary Anne Kuserk". The signature is fluid and cursive, with the first name "Mary" and last name "Kuserk" being the most prominent parts.

Mary Anne Kuserk, Chief
Bureau of Ground Water Pollution Abatement

Enclosure

c: Patricia Calvert, LSRP
Spring Lake Borough Clerk
Monmouth County Clerk
Monmouth County Health Department
Monmouth County Planning Board

Classification Exception Area/Well Restriction Area

Case Information:	<u>Subject Item</u>	<u>Designation</u>	<u>Activity Number</u>
	CEA100026202	02-11-21-1149-04	LSR120001

Case ID:	009736 - LSR120001
Case Number:	02-11-21-1149-04
Preferred Id:	009736
Case:	Public Works Water Treatment Plant
Address:	Monmouth & 5th Aves
City:	Spring Lake Boro
County:	Monmouth

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>
CEA100026202	26	1	Spring Lake Boro	No
CEA100026202	24	1	Spring Lake Boro	Yes

Facility Contact(s)

LSRP:	Patricia A Calvert ENVIROTACTICS INC 1330 LAUREL AVE BLDG 3 Sea Girt, NJ 08750
Person Responsible for Conducting the Remediation:	Bryan Dempsey 423 Warren Avenue Spring Lake, NJ 07762
NJDEP Contact:	Bureau of Ground Water Pollution Abatement (609) 292-8427

CEA Information

<u>Subject Item</u>	Description
CEA100026202	The Metals CEA encompasses MW-1, MW-2, and MW-3 at the site. The CEA has a horizontal extent of 7.07 acres and extends to a depth of 15 feet bgs.

<u>Subject Item</u>	<u>Affected Geologic Formation</u>	<u>Vertical Depth</u>
CEA100026202	Cape May	0-15 feet bgs

<u>Subject Item</u>	<u>Classification</u>
CEA100026202	II-A

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>
CEA100026202	Aluminum	6370 Micrograms Per Liter	200 Micrograms Per Liter
CEA100026202	Arsenic	3.787 Micrograms Per Liter	3 Micrograms Per Liter
CEA100026202	Iron	22700 Micrograms Per Liter	300 Micrograms Per Liter
CEA100026202	Lead	99.65 Micrograms Per Liter	5 Micrograms Per Liter
CEA100026202	Manganese	383.2 Micrograms Per Liter	50 Micrograms Per Liter
CEA100026202	Sodium	213000 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>
CEA100026202	01/13/2022

<u>Subject Item</u>	<u>Duration in Years</u>
CEA100026202	Indeterminate

<u>Subject Item</u>	<u>Anticipated Expiration Date</u>
CEA100026202	Indeterminate

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.

Subject Item Restriction

CEA100026202	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.
CEA100026202	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.
CEA100026202	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 – CEA Boundary Map



Exhibit B – CEA Boundary Map

