



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Site Remediation and Waste Management Program
Bureau of Ground Water Pollution Abatement

BOB MARTIN
Commissioner

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

Mail Code: 401-05V
P.O. Box 420
Trenton, NJ 08625-0420

January 29, 2016

Mr. Kevin Pearson
Director - Environment Remediation
Lockheed Martin Corporation
530 SW 14th Street
Grand Prairie, TX 75051

Re: Classification Exception Area/Well Restriction Area
RCA Astro Corporation site
50 and 120 Millstone Road
East Windsor Township, Mercer County
Program Interest Number: 158269
Subject Item ID: CEA 100123711

Dear Mr. Pearson,

Please be advised that the New Jersey Department of Environmental Protection (Department) has established a Classification Exception Area/Well Restriction Area (CEA/WRA) for ground water in the area of the site referenced above. A CEA/WRA is an institutional control that the Department uses to restrict the use of ground water because of the presence of ground water contaminants at concentrations that exceed 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 the site's Licensed Site Remediation Professional (LSRP), Mr. David Russell, on a CEA/WRA Fact Sheet Form that was received by the Department on October 14, 2015, and in an electronic addendum dated January 11, 2016.

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 volatile organic compounds and 1,4-dioxane at concentrations that exceed Ground Water Quality Standards. The contamination is attributed to discharges that occurred at the site.

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 within the area.

The CEA/WRA is set to expire on September 11, 2085, 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, in accordance with 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 Beverly Phillips at 609-292-8427.

Sincerely,



Mary Anne Kuserk, Chief
Bureau of Ground Water Pollution Abatement

Enclosure

CC: East Windsor Township Clerk
East Windsor Township Health Officer
Mercer County Clerk
Mercer County Environmental Health Officer
Mercer County Planning Department
David Russell, LSRP
Windsor Limited Partners of NJ C/O GMH Capital Partners, Property Owner
Windsor Acquisition LLC C/O Building 100, Property Owner
Blacklight Real Estate, Property Owner
NJDOT, Property Owner
Gordon Princeton MAB 2 Assoc. LLC, Property Owner
Willie G. Screws, Property Owner
Inland Diversified East Windsor Scipark LLC, Property Owner
Peter and Gizelle E. Sockler, Property Owners
Joseph and Romeo Primiano, Property Owners
Barcland/Polling C/O Pepper Hamilton, Property Owner
McGraw Hill Inc. C/O Duff & Phelps, Property Owner
NJDEP Bureau of Information Systems

Classification Exception Area/Well Restriction Area

Case Information

Subject Item **Designation**
CEA100123711 E86488

Case ID: 158269 – LSR100001
Case Number: E86488 RCA Corporation
PI Number: 158269
Case: RCA Astro Corporation
Address: 50 Millstone Road
 120 Millstone Road
City: East Windsor Township
County: Mercer

Lot and Block of Case:

Block	Lot
2	1.02
2	2.02
5	2

Site Location: Refer to Exhibit A - Site Location Map

Lots and Blocks of CEA:

Subject Item	Block	Lot	Municipality
CEA100123711	2	1.02	East Windsor Township
CEA100123711	2	2.02	East Windsor Township
CEA100123711	2	3.02	East Windsor Township
CEA100123711	2	5	East Windsor Township
CEA100123711	5	1	East Windsor Township
CEA100123711	5	11	East Windsor Township
CEA100123711	5	2.01	East Windsor Township
CEA100123711	5	2.02	East Windsor Township
CEA100123711	5	3	East Windsor Township
CEA100123711	5	4	East Windsor Township
CEA100123711	5	5	East Windsor Township
CEA100123711	5.01	1	East Windsor Township
CEA100123711	5.01	11	East Windsor Township
CEA100123711	5.01	12	East Windsor Township
CEA100123711	5.01	13	East Windsor Township

Facility Contacts:

Responsible Party Mr. Kevin Pearson
Director - Environment Remediation
Lockheed Martin Corporation
530 SW 14th Street
Grand Prairie, TX 75051

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

CEA Information

Subject Item	Description
CEA100123711	CEA covers most of former operational area. Extends offsite to the northeast, to the Millstone River and an unnamed tributary, and extends offsite to the southeast, across Route 133 to the unnamed tributary. The CEA boundary is based on ground water sampling data and fate and transport projection.

Subject Item	Affected Formation	Depth
CEA100123711	Pennsauken Formation	140 Feet

Subject Item	Classification
CEA100123711	II-A

Contaminants: This CEA (N.J.A.C. 7:9C-1.6) applies to the contaminants listed below. 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 compound (Synthetic Organic Chemical). All Ground Water Quality Standards apply at the designated CEA boundaries.

Subject Item	Contaminant	Concentration ¹	GWQS ²
CEA100123711	Dibromochloro-methane	2.5 Micrograms Per Liter	1 Microgram Per Liter
CEA100123711	Dichloroethene (1,1-)	7.2 Micrograms Per Liter	1 Microgram Per Liter
CEA100123711	1,2-dibromo-3-chloro-propane	2 Micrograms Per Liter	0.2 Micrograms Per Liter
CEA100123711	Dioxane (1,4-)	19 Micrograms Per Liter	0.4 Micrograms Per Liter
CEA100123711	Ethylene dibromide	1 Microgram Per Liter	0.03 Micrograms Per Liter
CEA100123711	Tetrachloroethylene	7.2 Micrograms Per Liter	1 Microgram Per Liter

CEA100123711	Trichloroethane (1,1,2)	19.2 Micrograms Per Liter	3 Micrograms Per Liter
CEA100123711	Trichloroethylene	1,200 Micrograms Per Liter	1 Microgram Per Liter
CEA100123711	Trichlorofluoromethane	6,010 Micrograms Per Liter	2,000 Micrograms Per Liter
CEA100123711	Vinyl chloride	5.1 Micrograms Per Liter	1 Micrograms Per Liter

1. Maximum concentration detected within the CEA during the most recent 24 months at the time of CEA establishment.
2. Ground Water Quality Standard: For each contaminant, the higher of the Ground Water Quality Criterion and the Practical Quantitation Level (N.J.A.C. 7:9C-1.7).

CEA Boundary: Refer to Exhibit B - CEA Boundary Map

Projected Term of CEA:

Subject Item	Date Established
CEA100123711	1/29/2015

Subject Item	Duration in Years
CEA100123711	69.4

Well Restrictions: Because contaminant concentrations within the CEA exceed the Maximum Contaminant Levels of the State Primary Drinking Water Regulations (N.J.A.C. 7:10-5) and the designated uses of Class II-A aquifers include potable use, the CEA is also a WRA (N.J.A.C. 7:9C-1.6(d)). The WRA boundary shall coincide with the boundary of the CEA. Well restrictions applicable to the CEA/WRA are listed below.

Subject Item	Restriction
CEA100123711	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.
CEA100123711	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.
CEA100123711	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.

