

**Environmental
Resources
Management**

399 Boylston Street, 6th Floor
Boston, MA 02116
(617) 646-7800
(617) 267-6447 (fax)

<http://www.erm.com>

3 August 2009
Reference: 0095922

Mr. Anthony DeLuca
The Koffler Group
10 Memorial Drive
Suite 901
Providence, RI 02903

Re: Transmittal of Groundwater Analytical Data
Former Raytheon Facility
430 Boston Post Road, Wayland, Massachusetts



Dear Mr. DeLuca:

On behalf of Raytheon Company (Raytheon), Environmental Resources Management (ERM) is submitting the results of groundwater sample analyses from the Former Raytheon Facility located at 430 Boston Post Road in Wayland, Massachusetts (Site). The results are submitted pursuant to 310 CMR 40.1403(10) of the Massachusetts Contingency Plan (MCP).

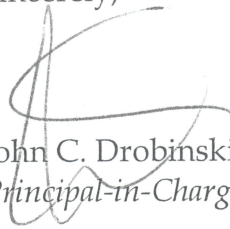
ERM collected groundwater samples from 49 wells on portions of the Site within the boundaries of your property on 16 and 17 July 2009. Samples were submitted for analysis of permanganate concentration by colorimetric method. Analytical results are attached to this letter. These analytical data will be provided to the Massachusetts Department of Environmental Protection in the next required MCP submittal.

Raytheon has implemented the Public Involvement Process in accordance with 310 CMR 40.1405. Documents pertaining to the Site can be found at the Board of Health, the Wayland Public Library Public Involvement Plan files, or at www.ermne.com (username = raytheon, password = wayland).

Mr. DeLuca
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If you have any questions or comments, please contact the undersigned at (617) 646-7800 or Louis Burkhardt, Raytheon Company, at (978) 436-8238.

Sincerely,



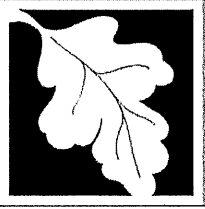
John C. Drobinski, P.G., LSP
Principal-in-Charge



Jason D. Flattery, P.E.
Project Manager

enclosures: BWSC-123 - Notice of Environmental Sampling
Analytical Results

cc: Louis Burkhardt, Raytheon Company
Ben Gould, CMG Environmental
PIP Repositories



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

3 13302

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 430 Boston Post Road
City/Town: Wayland Zip Code: 01778

B. This notice is being provided to the following party:

1. Name: The Koffler Group
2. Street Address: 10 Memorial Drive, Suite 901
City/Town: Providence, RI Zip Code: 02903

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 430 Boston Post Road
City/Town: Wayland Zip Code: 01778

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input checked="" type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |

(specify)

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

Collection of groundwater samples from existing monitoring wells.

E. Contact information related to the party providing this notice:

Contact Name: Louis J. Burkhardt
Street Address: 880 Technology Park Drive, MS 3-3029
City/Town: Billerica Zip Code: 01821
Telephone: (978) 436-8238 Email: louis_j_burkhardt@raytheon.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



Field Colorimetry
Data Form
WATER SAMPLES

Analyst: J. Nally
Date: 7/17/09
Checked by: T. Pac
Site Name: Raytheon Wayland
Project Number: 95922
Project Manager: B. Frost

Sample Name	Well ID	Collection Date/Time	Preservative (Note)	Color	Measured (ppm)	Dilution (X factor)	Concentration as KMnO ₄ (ppm)	Concentration as NaMnO ₄ (ppm)	Concentration as NaMnO ₄ (%)	Notes
MW-33S	MW-33S-20090723-03	07/23/09 1030	Ice	Clear	0.0	1	< 1	< 1	-	
MW-33M	MW-33M-20090716-03	07/16/09 0900	Ice	Clear	0.3	1	< 1	< 1	-	
MW-40	MW-40-20090716-03	07/16/09 0935	Ice	Clear	1.4	1	1.4	1.3	0.00	
MW-40S	MW-40S-20090716-03	07/16/09 0945	Ice	Clear	0.1	1	< 1	< 1	-	
MW-43S	MW-43S-20090716-03	07/16/09 1430	Ice	Clear	0.5	1	< 1	< 1	-	
MW-47S	MW-47S-20090716-03	07/16/09 1125	Ice	Clear	1.1	1	1.1	1.0	0.00	
MW-47M	MW-47M-20090716-03	07/16/09 1134	Ice	Clear	0.7	1	< 1	< 1	-	
MW-47D	MW-47D-20090716-03	07/16/09 1127	Ice	Clear	0.8	1	< 1	< 1	-	
MW-101	MW-101-20090716-03	07/16/09 1205	Ice	L. Pink	5.5	1	5.5	4.9	0.00	
MW-102	MW-102-20090716-03	07/16/09 1215	Ice	Purple	3.2	100	320	290	0.03	
MW-103	MW-103-20090716-03	07/16/09 1140	Ice	Clear	1.2	1	1.2	1.1	0.00	
MW-104	MW-104-20090716-03	07/16/09 1410	Ice	Clear	0.5	1	< 1	< 1	< 1	
MW-105	MW-105-20090716-03	07/16/09 1420	Ice	Clear	0.0	1	< 1	< 1	-	
MW-105M	MW-105M-20090716-03	07/16/09 1420	Ice	Clear	0.5	1	< 1	< 1	-	
MW-106	MW-106-20090717-03	07/17/09 0815	Ice	Clear	0.0	1	< 1	< 1	-	
MW-106M	MW-106M-20090717-03	07/17/09 0812	Ice	Clear	0.0	1	< 1	< 1	-	
MW-107	MW-107-20090716-03	07/16/09 0825	Ice	Clear	0.7	1	< 1	< 1	-	
MW-109	MW-109-20090716-03	07/16/09 0815	Ice	Clear	0.0	1	< 1	< 1	-	
MW-111	MW-111-20090716-03	07/16/09 0835	Ice	Clear	0.6	1	< 1	< 1	-	
MW-113	MW-113-20090716-03	07/16/09 0845	Ice	Clear	1.4	1	1.4	1.3	0.00	
MW-115	MW-115-20090716-03	07/16/09 0855	Ice	Clear	0.0	1	< 1	< 1	-	
MW-117	MW-117-20090717-03	07/17/09 1042	Ice	Clear	0.5	1	< 1	< 1	-	
MW-118	MW-118-20090717-03	07/17/09 0910	Ice	Clear	1.4	1	1.4	1.3	0.00	
MW-201S	MW-201S-20090716-03	07/16/09 1025	Ice	Clear	1.2	1	1.2	1.1	0.00	
MW-201M	MW-201M-20090716-03	07/16/09 1040	Ice	Clear	0.6	1	< 1	< 1	-	
MW-201D	MW-201D-20090716-03	07/16/09 1020	Ice	Clear	0.7	1	< 1	< 1	-	



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Site Name: Raytheon Wayland
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Sample Name	Well ID	Collection Date / Time	Preservative (Note)	Color	Measured (ppm)	Dilution (X factor)	Concentration as KMnO ₄ (ppm)	Concentration as NaMnO ₄ (ppm)	Concentration as NaMnO ₄ (%)	Notes
MW-202S	MW-202S-20090716-03	07/16/09 0817	Ice	Clear	0.0	1	< 1	< 1	-	
MW-202M	MW-202M-20090716-03	07/16/09 0812	Ice	L. pink	9.7	1	9.7	8.7	0.00	
MW-203S	MW-203S-20090716-03	07/16/09 0900	Ice	Clear	1.4	1	1.4	1.3	0.00	
MW-203M	MW-203M-20090716-03	07/16/09 0844	Ice	Clear	0.0	1	< 1	< 1	-	
MW-203D	MW-203D-20090716-03	07/16/09 0928	Ice	Clear	0.0	1	< 1	< 1	-	
MW-204S	MW-204S-20090716-03	07/16/09 0855	Ice	Clear	0.0	1	< 1	< 1	-	
MW-204M	MW-204M-20090716-03	07/16/09 0842	Ice	Clear	0.0	1	< 1	< 1	-	
MW-204D	MW-204D-20090716-03	07/16/09 0932	Ice	Clear	0.0	1	< 1	< 1	-	
MW-208S	MW-208S-20090716-03	07/16/09 0742	Ice	Clear	1.1	1	1.1	1.0	0.00	
MW-208M	MW-208M-20090716-03	07/16/09 0740	Ice	Clear	0.0	1	< 1	< 1	-	
MW-209	MW-209-20090716-03	07/16/09 1400	Ice	Clear	0.0	1	< 1	< 1	-	
MW-210	MW-210-20090717-03	07/17/09 0710	Ice	Clear	0.2	1	< 1	< 1	-	
MW-211	MW-211-20090716-03	07/16/09 1230	Ice	Clear	0.9	1	< 1	< 1	-	
MW-212	MW-212-20090716-03	07/16/09 1202	Ice	Clear	0.0	1	< 1	< 1	-	
MW-212M	MW-212M-20090716-03	07/16/09 1205	Ice	Clear	0.0	1	< 1	< 1	-	
MW-213	MW-213-20090716-03	07/16/09 1155	Ice	Clear	1.4	1	1.4	1.3	0.00	
MW-214	MW-214-20090716-03	07/16/09 1220	Ice	Clear	0.0	1	< 1	< 1	-	
MW-403	MW-403-20090716-03	07/16/09 1200	Ice	Clear	0.0	1	< 1	< 1	-	
MW-404	MW-404-20090717-03	07/17/09 0852	Ice	L. pink	9.7	1	9.7	8.7	0.00	
MW-405S	MW-405S-20090717-03	07/17/09 1025	Ice	Purple	6.1	100	610	550	0.06	
IP-16S	MW-16S-20090717-03	07/17/09 0955	Ice	L. purple	19.3	1	19.3	17.3	0.00	
IP-16D	MW-16D-20090717-03	07/17/09 1010	Ice	Purple	68.6	1	68.6	61.6	0.01	
IP-17D	MW-17D-20090717-03	07/17/09 0934	Ice	D. purple	2.9	1,000	2,900	2,600	0.26	
DUP-001	DUP-001-20090716-03	07/16/09 0000	Ice	Clear	1.6	1	1.6	1.4	0.00	
DUP-002	DUP-002-20090716-03	07/16/09 2400	Ice	Purple	3.3	100	330	300	0.03	
DUP-003	DUP-003-20090717-03	07/17/09 2400	Ice	L. pink	9.4	1	9.4	8.4	0.00	

Note: < 1 less than detection limit of method (1 ppm)

	<i>DUPs</i>	<u>Original</u>	<u>Result</u>	<u>Duplicate</u>	<u>Result</u>	<u>RPD</u>
		DUP-001	1.4	MW-403	< 1	NA
		DUP-002	300	MW-102	290	0.85%
		DUP-003	8.4	MW-404	9	0.79%