

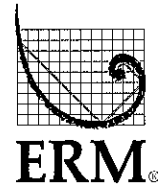
**Environmental  
Resources  
Management**

399 Boylston Street, 6<sup>th</sup> Floor  
Boston, MA 02116  
(617) 267-8377  
(617) 267-6447 (fax)

<http://www.erm.com>

21 September 2005  
Reference: 0033366

Brian Monahan  
Conservation Administrator  
Wayland Conservation Commission  
Town Building  
Wayland, MA 01778



Re: Former Raytheon Facility  
430 Boston Post Road  
DEP File No. 322-0564

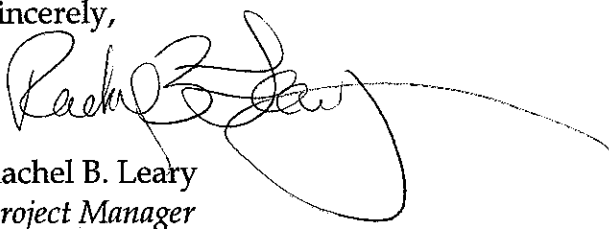
Dear Mr. Monahan:

On behalf of Raytheon Company (Raytheon), Environmental Resources Management (ERM) is providing the Town of Wayland Conservation Commission with surface water quality monitoring data to satisfy Condition 35 of Order of Conditions 322-0564. This Order of Conditions was issued to Raytheon for monitoring well installation within the wetland resource area at 430 Boston Post Road in Wayland.

Surface water quality monitoring was conducted on 16 September 2005 and monitoring data recorded in the Wetland Drilling Daily Report No. 8. A copy is attached.

Please contact the undersigned at (617) 267-8377 or Edwin Madera at (978) 440-1813, if you have questions.

Sincerely,

  
Rachel B. Leary  
Project Manager

enclosed: Daily Drilling Report No. 8

cc: Edwin Madera, Raytheon  
Benson Gould, CMG  
Public Repositories

**Raytheon - Wayland  
Wetland Drilling Daily Report:  
DEP File #: 322-0564**

Project Number: 0033366

Prepared By: Eric J. Moore  
Signature

Date: 9/16/2005

Checked By: Rachel B. Leary  
Signature:

Date: 9/19/05

**Project Activity:**

Wetland drilling.

**Summary of Activities ending on Friday, 16 September 2005:**

Onsite: 700

Offsite: 1745

- E. Moore on-site Boart Longyear and Stone Environmental already on-site.
- Boart sets up and begins driving casing (8") to 135' at location B-555. Set wells in MW-555.
- Joe Fiacco, John Drobinski, Rachel Leary, and Jeff Plante onsite to conduct engineer inspection. Walk over the work area to check silt fence and drilling locations.
- E. Moore conducts weekly surface water quality readings. Check Sudbury River water level from two bridge locations. Water level in river is rising. Water is coming up to the base of the mats near MW-555 location. The other two areas seem fine at this point.
- Conduct daily inspection of rig and drilling area. All areas are clean and secure.
- E. Moore covers core samples with poly sheeting and secures site for night. Boart off-site @1800, E. Moore off-site @1645.

**Anticipated Operations for next 24 hours:**

Decon rods and equipment, and perform maintenance on rig.

**Surface Water Quality Sampling:**

During drilling activities

Location	PH	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Temp. (Celsius)	Conductivity (uS/cm)
SW-1	8.08	6.38	7.8	-	22.72	337
SW-2	DRY					
SW-3	DRY					
SW-4	8.93	6.18	4.7	-	22.67	335
SW-5	8.19	5.82	6.2	-	22.72	343

**Inspection of Erosion Barriers:**

Intact and in place. No damage to barriers noticed.

**Equipment Type and Quantity / Companies Represented:**

Roto-Sonic drill rig/ Boart Longyear

Crane mounted flatbed truck/ Boart Longyear

Pickup truck/ ERM

Mobile lab trailer/ Stone Environmental

