

12 October 2007
ERM Reference: 0051545

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



Re: Inspection Report #9: 9 October through 12 October 2007,
Former Raytheon Facility
430 Boston Post Road
DEP File No. 322-647

Dear Mr. Monahan:

Environmental Resources Management (ERM) is pleased to provide the Wayland Conservation Commission (Commission) with this Inspection Report for Northern Area Excavation activities at the Former Raytheon Facility at 430 Boston Post Road in Wayland, Massachusetts (Site). This report is submitted in accordance with the Order of Conditions for Massachusetts Department of Environmental Protection (DEP) File Number 322-647 dated 8 August 2006.

INSPECTION REPORT #9

Special Conditions 31 and 32 of the Town of Wayland Wetlands and Water Resources Permit Chapter 194 (Chapter 194) and Special Conditions 47 and 49 of Attachment A to the Wetlands Protection Act Form 5 Order of Conditions (WPA) require that a registered Professional Engineer perform weekly inspections of the work activities and certify in bi-weekly reports that those activities are in compliance with the Order of Conditions. The following information summarizes work performed between 9 and 12 October 2007. No work was conducted on 8 October 2007 because of Columbus Day.

Work Performed During Period

Discharge of treated water from the treatment system concluded on the morning of 9 October. Approximately 49,000 gallons of water were discharged to the Sudbury River at a time-average flow rate of 2.88 gallons per minute (Table 1).

Concurrently on 9 October, a vacuum sweeper was brought on Site to sweep remaining residues and dust in the area formerly occupied by Stockpile I. Also, on 9 and 10 October, remaining materials and equipment were demobilized from the Site.

Alicia Kabir conducted the weekly Professional Engineer's inspection on 12 October. No items or procedures were identified as out of compliance with the Order of Conditions during the Site visit.

Also on 12 October, Brian Monahan of the Commission visited the Site and inspected the wetland restoration area. No issues were identified during this inspection.

In addition to the major activities detailed above, several other tasks were completed as required by the Order of Conditions:

- Daily inspections of the sedimentation controls have been performed. Records of these inspections are kept with the Daily Site Logs in Appendix A. Sufficient supplies of silt fence and straw bales are maintained on Site to allow for corrective action and maintenance activities per WPA Condition 50 and Chapter 194 Condition 42.
- Equipment is being refueled in accordance with the Refueling Plan provided in the Response to Order of Conditions as stipulated in WPA Condition 39 and the Amendment to Refueling Plan provided in Inspection Report #3. Sufficient spill containment supplies are maintained at the refueling area and near each piece of heavy equipment.

Items Not in Conformance with Order of Conditions During Period

- Activities on Site were in conformance with the Order of Conditions during this reporting period.

At this time the project is complete, all materials and equipment have been demobilized, and the project area has been seeded and stabilized as specified in the Order of Conditions. No further Inspection Reports will be submitted.

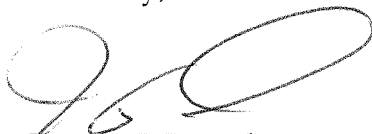
POST-CONSTRUCTION PHOTOGRAPHS

As required by WPA Condition 37 and Chapter 194 Condition 23 post-construction photographs of the project area are attached as Appendix B. These photographs can be compared to the pre-construction photographs submitted with Inspection Report #1 (ERM, 29 June 2007).

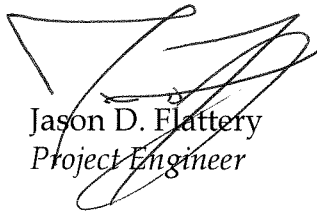
ERM will continue to comply with the Order of Conditions as applicable to post-construction activities.

If you have any questions or comments please contact the undersigned at (617) 646-7800.

Sincerely,



Jeremy J. Picard, P.G.
Senior Project Manager



Jason D. Flattery
Project Engineer

Encl: Table 1 Treatment System Discharge Summary
 Appendix A Daily Site Logs: 9 to 12 October
 Appendix B Post-Construction Photographs

Cc: Louis Burkhardt, Raytheon Company
 Public Repositories
 Ben Gould, CMG Environmental

As required by WPA Conditions 47 and 49 and Chapter 194 Conditions 31 and 32, I certify based on my observations during a Site visit on 12 October 2007 and conversations with ERM field representatives that, to the best of my knowledge, work (except for any exceptions noted above) has been conducted in accordance with the Order of Conditions for DEP File Number 322-647.



Alicia Kabir

Alicia Kabir, P.E.
Professional Engineer
MA License #46671

Tables

Table 1
Treatment System Discharge Summary
Former Raytheon Facility
Wayland, Massachusetts

Date	Flow Rate (gpm)	Discharged (gallons)	Cumulative Discharged (gallons)	Volume Remaining (gallons)	Notes
9/27/07 15:00	3.00		0	49,000	Began discharging at 15:00
9/28/07 6:00	2.60	2,500	2,500	46,500	
10/1/07 7:00	3.19	13,960	16,460	32,540	
10/2/07 6:30	4.21	5,940	22,400	26,600	
10/3/07 6:30	2.85	4,100	26,500	22,500	
10/4/07 6:30	2.52	3,630	30,130	18,870	
10/5/07 7:00	4.24	6,240	36,370	12,630	
10/7/07 18:00	2.98	10,560	46,930	2,070	Pump turned off at 18:00
10/9/07 6:30	0.62 *	1,350	48,280	720	Pump turned on at 6:30
10/9/07 10:15	3.20	720	49,000	0	Finished discharging at 10:15
Time-Average Flow Rate:		2.88 gpm			

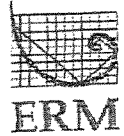
Notes:

* = Discharge continued via siphon.

Appendix A
Daily Site Logs 9 - 12 October

DAILY SITE LOG

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Date: 10/9/07
Start Time: 06:30 End Time: 15:15

Personnel

ERM: B Masshazadegan, J Flattery

Other Personnel: MT: C Jones
Union: J Muto, H Hackett

Visitors: W Enniment, Adler, Hardi House, Millennium Sweeping
(Elgin Pelican series SE)

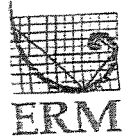
Equipment On Site

Type	MAKE/MODEL Operating Company	#	OP. Co. Number
<u>Loader</u>	<u>Komatsu WA380</u>	<u>-</u>	<u>MT</u>
<u>Generator</u>	<u>MIR Power Whisper watt</u>	<u>16</u>	<u>MT</u>
<u>Sweeper (BM)</u>			

Describe Activities:

Frac tank #3 is taken off site leaving one frac tank present. Water is finished discharging at ~ 10:15. New sweeper on site from Millennium to sweep area of SP I. Construction fence is taken down across the site, trash and debris are collected. "No Trespassing" signs are taken down.

EROSION AND SEDIMENTATION CONTROL INSPECTION
Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

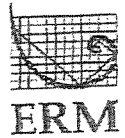
Field Supervisor Name (Printed):

BAHAAR MASSIHZADEGAN

(Signature):

[Handwritten Signature]

DAILY SITE LOG
 Northern Area Excavation
 Former Raytheon Facility
 Wayland, Massachusetts



Date: 10/10/07
 Start Time: 06:00 End Time: 1430

Personnel
 ERM: B Massihzadegan, J Flattery, J Picard

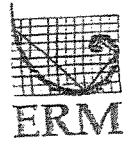
Other Personnel: MT: C Jones
Union: I Hackett, J Muto

Visitors: Intoccia, Maxymilian, Adler, Handi House

<u>Equipment On Site</u>		
Type	Operating Company	Number
<u>Loader</u>	<u>Komatsu WA380</u>	<u>1</u>
<u>Generator</u>	<u>MQ Power Whisperwatt</u>	<u>16</u>

Describe Activities:
pea gravel is taken off site along with other debris such as
wooden pallets. Last frae tank is taken off site

EROSION AND SEDIMENTATION CONTROL INSPECTION
Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



10/10

Are silt fence, hay bails and wooden stakes intact?

Have soils/sediment been deposited in any wetland areas?

If yes, was it removed and how? Please describe below.

Is there evidence of erosion along access road?

If yes, please describe below.

YES
NO
N/A
NO

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

BALHAAR MASSIHZADEGAN

(Signature):

[Handwritten Signature]

DAILY SITE LOG
Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Date: 10/12/07
Start Time: 11:07

End Time: 13:30 ^(Jk)

Personnel

ERM:

Jason Flattery, Aliya Kabir

Other Personnel:

NONE

Visitors:

Brian Monahan

Equipment On Site

Type	Operating Company	Number
<u>NONE</u>	<u>NONE</u>	<u>NONE</u>

Describe Activities:

CONDUCTED SITE WALKS WITH COMMISSION & P.E.
NO ISSUES.

EROSION AND SEDIMENTATION CONTROL INSPECTION
Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

JASON FLATTERY

(Signature):

Appendix B
Post-Construction Photographs



Photograph 1 – Project Area from Northwest after Seeding and Mulching



Photograph 2 – Restored Wetland from East





Photograph 3 – Project Area from Southeast



Photograph 4 – Restored Wetland from Southeast

