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NAS SOUTH WEYMOUTH
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LETTER AND COMMENTS FROM MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL
PROTECTION REGARDING LONG TERM MONITORING REPORT ROUND 2 SEMI ANNUAL
2009 OPERABLE UNITS 2 (OU 2) AND 9 (OU 9) NAS SOUTH WEYMOUTH MA
01/27/2010
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
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Mr. Brian Helland, RPM
BRAC PMO; Northeast
4911 South Broad Street
Philadelphia, PA 19112

Re: Round 2 (2009) Semi-Annual Report
Rubble Disposal Area
Former South Weymouth NAS
RTN 4-3002621
January 27, 2010

Dear Mr. Helland:

The Massachusetts Department of Environmental Protection (MassDEP), Bureau of Waste Site Cleanup, reviewed the *Long-Term Monitoring Report, Semi-Annual Round 2 - 2009, Rubble Disposal Area, Operable Units 2 and 9, Naval Air Station South Weymouth*, dated January 2010. Comments are attached.

If you have any questions about the comments, I can be reached at 617-348-4005.

Sincerely,

David Chaffin
Federal Facilities Project Manager
Bureau of Waste Site Cleanup

CC: D. Barney, USN-S, Weymouth
K. Keckler, USEPA
Chief Executive Officer, SSTTDC
RAB Members
A. Malewicz, MassDEP-Boston

**MASSDEP COMMENTS ON
ROUND 2 SEMI-ANNUAL LTM REPORT (SEPTEMBER 2009)
RUBBLE DISPOSAL AREA
FORMER SOUTH WEYMOUTH NAVAL AIR STATION (RTN 4-3002621)
JANUARY 27, 2010**

1. Section 3.1: Concentrations of manganese in seven downgradient groundwater samples exceeded the remedial goal (313 ug/L) and the upgradient sample concentration (2,030 ug/L, TT01). The highest concentration reported in the downgradient samples was 15,700 ug/L (TT04). These results are consistent with the results from previous monitoring events, indicating that future action may be required to ensure the protectiveness of the remedy.
2. Section 3.2: Concentrations of manganese in three downgradient surface water samples exceeded the concentration reported in the groundwater sample collected from the upgradient monitoring well (2,030, TT01). The highest concentration reported in the surface water samples was 18,600 ug/L (SW03). These results are consistent with the results from previous monitoring events, indicating that future action may be required to ensure the protectiveness of the remedy.
3. Sections 3.3 and 3.4: Consistent with previous monitoring results, methane concentrations exceeding 25 percent of the LEL were reported in several gas probe monitoring samples. As noted in comments on previous monitoring reports, these results indicate that corrective action may be necessary to protect human health and safety [310 CMR 19.132(4)(h)]; in particular, the results continue to indicate that site conditions could pose a significant safety hazard to users of adjacent property (e.g., roadway construction adjacent to the north side of the site).
4. Section 4.3: MassDEP endorses the plan to develop and conduct a landfill gas survey prior to the next long-term sampling event. As recommend in comments on previous reports, the gas survey should include delineation of the lateral extent of methane and potential site-related chemicals in the immediate vicinity of the probes of concern. The distribution of methane and potential site-related chemicals in the vicinity of these probes would be expected to indicate a connection or lack of connection with the site, provide useful information about the extent of the potentially hazardous methane-impacted region, and in the event a site-connection is indicated, support the design of corrective action.