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NAS SOUTH WEYMOUTH
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RESTORATION ADVISORY BOARD (RAB) UPDATE FORMER NAS SOUTH WEYMOUTH MA
(PUBLIC DOCUMENT)
05/01/2015
RESOLUTION CONSULTANTS



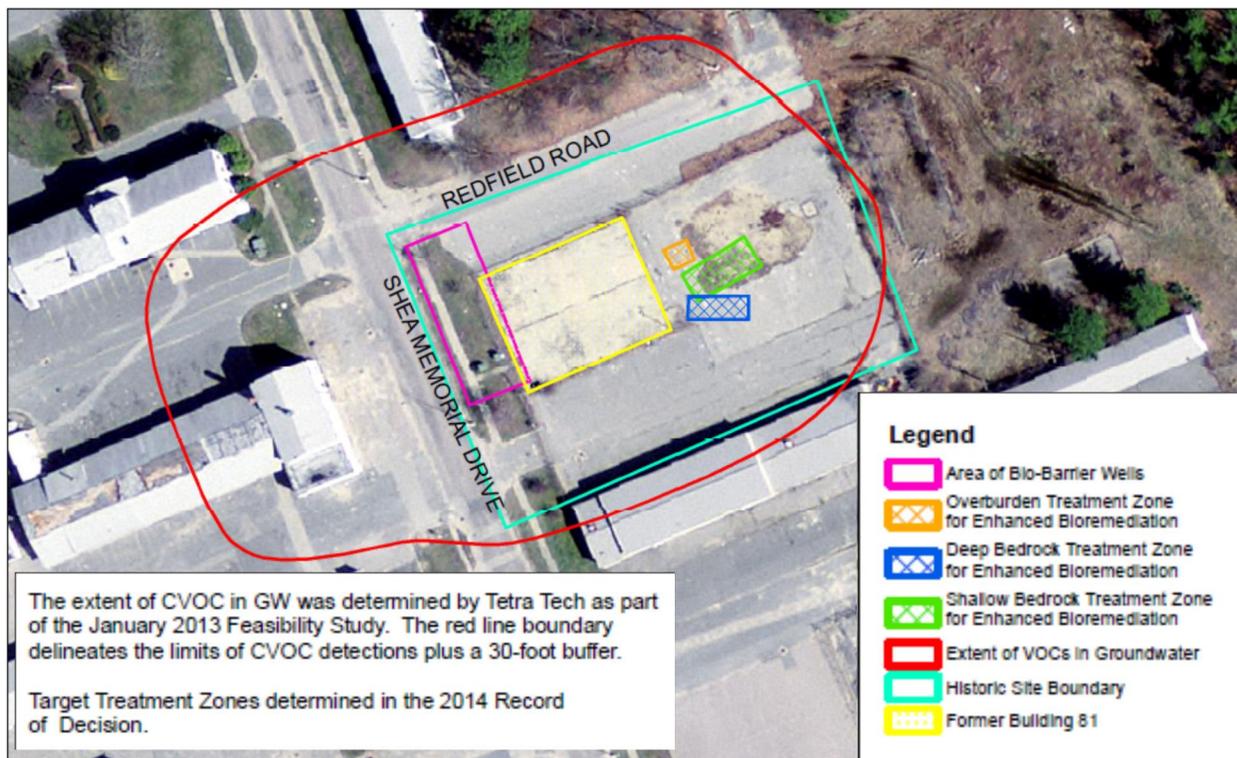
Former Naval Air Station South Weymouth Restoration Advisory Board (RAB) Update January 2015

Installation Restoration Program (IRP) Sites

Building 81 – The Record of Decision (ROD) was signed on September 30, 2014. The ROD selected remedy, shown in the figure below, includes the following components:

- In-situ (Overburden and Bedrock Source Area) Enhanced Bioremediation
- Bio-barriers
- Monitored Natural Attenuation (MNA)
- Land Use Controls (LUCs)
- Five-Year Reviews (as needed)

The Draft Remedial Design (RD)/Remedial Action Work Plan (RAWP) to implement the remedy was submitted to EPA in early April 2015.



Building 82 – In April 2014 the Navy completed in situ chemical oxidation (ISCO) injections (using potassium permanganate) in the pilot study area.

Results of the October post-injection groundwater sampling indicate that TCE concentrations have been reduced by the pilot test injection program. An additional post-injection groundwater sampling event was conducted in late March 2015. Additional groundwater profiling was conducted in early April 2015. Results of the March and April data indicate TCE concentrations in the immediate pilot study area increased to concentrations similar to those existing before the pilot study. The data did indicate that natural attenuation is occurring in areas outside of the pilot study. The Navy is currently considering modifying the selected remedy to include monitored natural attenuation.

Rubble Disposal Area (RDA) –The Navy completed installation of a landfill gas mitigation project to reduce concentrations of methane gas adjacent to the landfill footprint in Fall 2013. The landfill gas mitigation system was monitored monthly during 2014 to evaluate the performance. The mitigation system has been effective in reducing methane levels; however, there are still some areas with elevated methane levels. A Remedial Action Completion Report (RACR) will be prepared in 2015 to document the corrective action and next steps required.

Sewage Treatment Plant (STP)

Excavation activities at the STP have been completed with the exception of the drainage ditch. Excavation was temporarily suspended due to poor weather conditions. The drainage ditch will be excavated in Spring 2015. A ROD Amendment will be issued to add Land Use Controls (LUCs) and Long Term Monitoring (LTM) to the remedy. The LUCs will prevent residential use of the wetland area where there are minor exceedances of RGs and prevent disturbance of deep soil (>10') without proper management of the soil.

Snow clearing operations at the STP.



Small Landfill – The most recent sampling event was completed in March 2015 and the next event is scheduled for September 2015. The landfill was mowed in November 2014.

Solvent Release Area – Field implementation of the remedy began with tree clearing in November 2014 and the installation of the overburden monitoring and injection well network. The bedrock monitoring and injection well network installation was completed in April 2015. Due to weather delays, injections are now anticipated to begin in June 2015. A Draft RD for the Permeable Reactive Barrier (PRB) walls was submitted in September 2014. Additionally, a Land Use Control Implementation Plan (LUCIP) has been submitted and is under discussion.

Bedrock Core collected in March 2015.



West Gate Landfill – The most recent sampling event was completed in March 2015 and the next event is scheduled for June 2015. Tree saplings are scheduled to be treated in late May with an insecticide to prevent winter moth damage.

**SUMMARY STATUS
CERCLA SITES AT FORMER NAS SOUTH WEYMOUTH**

CERCLA Status	Remedial Investigation	Feasibility Study	Proposed Plan/Record of Decision (ROD)	Remedial Design/ Remedial Action	Post-ROD Long-Term Monitoring (LTM)
West Gate Landfill					X
Rubble Disposal Area					X
Small Landfill					X
Sewage Treatment Plant				X	
Building 81				X	
Building 82				X	
Solvent Release Area				X	
Hangar 1	X				
Industrial Operations Area			X		

Massachusetts Contingency Plan (MCP) Sites

There are currently no active MCP Sites at the Former NAS South Weymouth.

Environmental Baseline Survey (EBS) Sites

- AOC 55C – Wetland evaluation and wetland species monitoring is continuing. Tree saplings are scheduled to be treated in late May with an insecticide to prevent winter moth damage. Manual removal of the invasive species Multiflora Rose is also scheduled for May 2015.
- RIA 11 (AFFF) –The third round of LTM sampling was conducted in March/April 2015 and the fourth round is planned for October 2015. A Remedial Investigation Work Plan to further evaluate the nature and extent of perfluorinated compounds (PFCs) at the Hangar 1 site (Aquifer Protection District Parcel) was submitted to EPA and MassDEP in November 2014.
- Industrial Operations Area (IOA) – Additional actions are required for soil. A Focused Feasibility Study was issued in April 2015 and the Navy is in the process of finalizing the Proposed Remedial Action Plan. The Navy’s proposed remedy for the IOA is excavation and off-site disposal.
- RIA 111 (Old Hangar 2) – A work plan for additional investigations is the next action for this site.

Finding of Suitability to Transfer (FOST)

FOST 6A –The Navy, MassDEP, EPA and SRA have reached agreement on the use of a Grant of Environmental Restriction and Easement (GERE) at the former NAS South Weymouth. The Navy has taken out the West Gate Landfill from FOST 6A and has re-issued for regulatory review FOST 6A1 that now only includes AOC 55C, Small Landfill, and the Main Gate Encroachment Area. The West Gate Landfill will be incorporated into FOST 6A2 at a later date.

FOST 4 & 5A Addendum –An Addendum to FOST 4 and 5A to update and address the parcels that were held back from transfer due to the previously unresolved considerations from the presence of perfluorinated compounds (PFCs) at the FFTA has been signed by the Navy and the parcels are now suitable for transfer. The “Hold Back” parcels at the FFTA area, approximately 8.8 acres, will be transferred to the Southfield Redevelopment Authority (SRA) shortly.

Please feel free to contact Dave Barney, BRAC Environmental Coordinator, at 617-753-4656 (or by email at david.a.barney@navy.mil), or stop by the Caretaker Site Office if you have any questions or concerns related to this memo or any restoration activities.