

N00101.PF.003137
NAS SOUTH WEYMOUTH
5090.3b

MINUTES AND AGENDA FOR RESTORATION ADVISORY BOARD MEETING HELD ON 10
APRIL 2014 FORMER NAS SOUTH WEYMOUTH MA
04/10/2014
RESOLUTION CONSULTANTS



Naval Air Station South Weymouth, MA Restoration Advisory Board (RAB) Meeting Minutes April 10, 2014

1. INTRODUCTION

John Goodrich, RAB facilitator from the Office of Public Collaboration, opened the meeting at approximately 7:00 PM. He requested that all attendees sign-in. He noted that the meeting agenda, handouts, and sign-in sheet were available on the table at the back of the room. The sign-in sheet for the meeting is provided as Attachment A. Before the start of the meeting, J. Goodrich opened the floor for questions and comments regarding the January 9th RAB meeting minutes. There were no questions or comments were presented by the attendees.

J. Goodrich reviewed the guidelines for the meeting and reminded the attendees that the focus of the meeting is cleanup issues. The presentation for this meeting focused on the Sewage Treatment Plant (STP), presented by Kayleen Jalkut (Tetra Tech). Questions and discussion were set aside following the presentation. Any issues and/or comments not related to base cleanup will be noted and referred to the appropriate agency or organization.

2. PRESENTATION

The STP has gone through a series of investigations in an attempt to delineate surface soil and sediment contamination. Phase I/II RI Investigations were conducted in 1996-2002, a Human Health Risk Assessment (HHRA) in 2006, a Feasibility Study (FS) in 2007. A Record of Decision (ROD) was signed in 2008, with the selected remedy being soil excavation and off-site disposal. Based on the results of the RI and HHRA, the area was acceptable for industrial use, but not for residential use. The contaminants of concern (COCs) include pesticides and arsenic in sediment, and poly-aromatic hydrocarbons (PAHs), pesticides, and arsenic in surface soil. Groundwater and surface water were not identified as media of concern.

- **Pre-Design Investigation (PDI): 2009**
 - The purpose of the PDI was to further delineate the type and extent of the COCs requiring remediation in soil and sediment. The results of this study were used to support the planning of the Remedial Action (RA).
- **Remedial Action: 2009-2010**
 - The RA was conducted to remove impacts above the remedial goals (RGs) set forth in the ROD to prevent exposure to potential human and ecological receptors.
 - A total of five areas (A1, A2, B1, B2, and D) were selected for remediation as part of the RA. Four of the five were remediated; however, additional PAH contamination was discovered in area A2 during the post-excavation sampling.
 - The site impacts may have been related to the demolition of the STP facility buildings. Contaminated soils may have been used as backfill in the foundations of the demolished structures during the STP demolition project.
 - Two additional rounds of excavation were performed following confirmatory sampling which removed soils to a depth of 2.5 feet below ground surface (bgs) in some areas.

- Due to the observed contamination in the post-excavation confirmatory samples, the remedial activities were stopped for additional investigations to occur which would further delineate the extent of the soil contamination.
- **Supplemental PDI Investigation: 2011-2012**
 - The purpose of this additional PDI was to delineate the vertical and horizontal extent of contamination observed during the RA work. Additional work was done at the headwall leading to the wetlands (Area D). Soil and sediment surrounding three corrugated pipes were cleaned during the RA; however, the material within the pipes was left in place.
 - Three locations (SB-14, SB-15A, SB-20A/B) containing poly-chlorinated bi-phenyls (PCBs), PAHs, pesticides, and metals above screening values were detected. New compounds with no RGs were detected and lead to the development of new RGs.
 - Concentrations of PAH were above the new RGs that would allow future residential use.
- **Additional Soil Delineation Investigation: 2013-2014**
 - The Additional Soil Delineation Investigation focused on the three exceedance locations (upland area) and drainage ditch (wetland area) identified during the Supplemental PDI. This included surface and subsurface samples to delineate the horizontal and vertical contamination. Petroleum was detected in surface samples (SS-A18, SS-A19) and in samples at depths greater than 10 feet below ground surface (bgs). PAHs, pesticides, and metals were detected within the drainage channel sediments in the wetland area. The corrugated pipe which flows into the wetland continues to contribute pesticides to the stream.
 - Dave Barney (Navy Co-Chair) clarified that there is not a definitive conceptual site model (CSM) for the site. The history of the site and the current distribution of contamination do not create a cohesive picture. The building demolition and reworking of soils which occurred does not allow for a single release point to be identified and remediated. The purpose of these investigations is to identify the full extent of contamination and continue to update and revise the CSM as new data is collected.
 - Conclusions drawn from this investigation indicated that the STP has localized areas that may need to be further addressed.

Moving forward at the STP the corrugated pipes and the pipes in the headwall will be removed to stop the potential for additional contaminant migration. Additional remedial actions within the A-2 area are planned to address the remaining contamination which will include removal and perhaps adding Land Use Controls since the premise of earlier remedial decisions has since changed (such as the delineation of wetlands in what was previously considered upland). Finally, a ROD amendment will be drafted to document the additional remedial actions that will occur.

3. QUESTIONS

RAB Member: How does the uncertainty in the remedial action plan impact the future zoning of the STP? Are there definitive plans to change this to a commercial zone?

D. Barney: We currently have a defined zoning plan in place that must be followed until the zoning plans change. The Navy cannot make decisions based on speculation of what could happen to the zoning plans in the future.

RAB Member: Is there any groundwater contamination? Based on the current exceedances, what is expected for up-coming surface or subsurface investigations?

D. Barney: Groundwater and surface water were determined to not be a problem in the 2008 ROD. As part of the ROD, a follow-up round of groundwater sampling will be completed. Future investigations will be determined based on the next set of planning documents.

RAB Member: Are there any immediate health risks? Is there any chance that the pesticides within the pipelines were only mobilized due to the sediment/excavation work?

D. Barney: There is no imminent hazard; however, the exceedances are above residential standards. There is a potential that the sediment removal created a pathway for pesticide transport through the pipeline and into the wetland. This will be addressed through planned removal actions later this year.

4. UPDATES

Building 81

The ROD is in the process of being completed. Draft versions were sent to the EPA and the Navy is currently awaiting comments. Pilot studies are scheduled for late 2014 or early 2015.

Building 82

The site is currently undergoing a pilot injection study. There may potentially be data available for a presentation in the fall 2014 RAB Meeting.

Rubble Disposal Area

Landfill gas mitigation, sampling and monitoring are still ongoing. Initial results from the last round of sampling indicate that gas appears to be migrating to the vents and that the corrective measures were successful. More data will be available in the coming months. LTM is scheduled for the other three landfill areas in the coming weeks.

SRA

The pilot study work plan (WP) is in development as well as the WP for the construction of the permeable reactive barrier. Baseline groundwater sampling has been completed at SRA, Building 81, and Building 82. Additional sampling at Hanger 1 and the Fire Fighter Training Area was completed last week. Reports are in development and should be completed in the next month.

FOST

FOST 6A is pending, subject to discussion of the Grant of Environmental Restriction (GERE) and how the land use controls will be implemented over time. The FOST 4 and 5A addendum is out for public comment. Public notices were published in local papers.

Other Updates

An Engineering Evaluation/Cost Analysis (EE/CA) is being developed for the impacted soils around the Industrial Operation Area (IOA). Planning documents (Action Memorandum and Removal Action Work Plan) are also in development for the non-time critical removal action.

An investigation at the Old Wooden Hanger is planned for the fall. There are various utility vaults under the slab that need to be further investigated. The initial plan is to clear off the soil from the slab that is north of the runway to expose the slab and look for any additional subsurface vaults and chambers.

The next RAB Meeting is scheduled for June 12th 2014. Topics of discussion will include the 5-Year Review Results and more information regarding the work at Building 81, Building 82, and SRA.