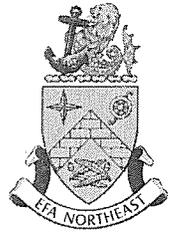


Naval Air Station
South Weymouth, MA
Restoration Advisory Board
Summary of RAB Meeting – December 8, 2005



NAS South Weymouth Website: <http://nas-southweymouth.navy-env.com>

1. INTRODUCTIONS/ APPROVAL OF PRIOR MEETING MINUTES

Ms. Susan Jeghelian, MA Office of Dispute Resolution, and RAB meeting facilitator, opened the meeting at approximately 7:05 PM. She requested that all attendees, including RAB members, regulators, and audience members, introduce themselves. The sign-in sheet for the meeting is provided as Attachment A to this meeting summary. S. Jeghelian stated that they were marking the 10th year of the RAB and that Dave Barney will have more information. S. Jeghelian asked if everyone had time to read the meeting notes from the prior RAB meeting (October 2005) and asked for comments on them. M. Bromberg stated that there was nothing in the minutes about background sampling. Background sampling was discussed at the November 10, 2005 public hearing for the Tile Leach Field and AOCs 3, 13, 15, and 100, and therefore was not included in the October RAB minutes. There were no other comments on the October 2005 RAB meeting notes; the notes will stand as issued.

S. Jeghelian reviewed the guidelines for the meeting. She reminded the participants when asking questions to wait to speak until they are acknowledged, to state their names and affiliations, and to speak into the microphone when they have questions.

The Agenda for the meeting and the Action Item Tracking List are provided as Attachment B to this meeting summary. S. Jeghelian then noted that in accordance with the agenda, the presentation (Fire Fighting Training Area Release Abatement Measure) would be followed by the Updates and Action Items portion of the meeting.

2. PRESENTATIONS

S. Jeghelian introduced Dave Barney, Navy, who was introducing the Fire Fighting Training Area (FFTA) presentation. The following paragraphs summarize the presentation and include references to selected presentation slides in Attachment C. The complete presentation is available on the NAS South Weymouth web site <http://nas-southweymouth.navy-env.com>.

D. Barney introduced himself and stated he was going to provide some background information on the FFTA activities completed under the CERCLA process. Under CERCLA, a Preliminary Site Investigation, and a Phase I and Phase II Remedial Investigation were completed for the FFTA site. Through those

efforts the Navy concluded that there was no CERCLA risk associated with the area. However, petroleum issues were identified that needed to be addressed. Since petroleum products are exempt from the CERCLA process, regulatory responsibility for these issues is handled under the Massachusetts Contingency Plan (MCP). D. Barney then introduced Janice McIntosh, Tetra Tech EC, to give the FFTA presentation.

J. McIntosh stated that she was a project engineer with TtEC and that they are conducting the Release Abatement Measure (RAM) for the FFTA. Phase I of the RAM began with mobilization to the site in mid November. She stated that Phase I is the exploratory phase and she was going to give an update on what was found during this phase. See Slide 2 for an overview of the presentation.

The FFTA site is located in the southern portion of the Base, east of Taxiway C (Slide 3). The FFTA site used to be a wetland and was capped with asphalt when used as a fire fighting training area. Today the site has some vegetation growing through the cracked asphalt. The site is in a wetland buffer zone because it is within 50 feet of the wetland. The intermittent portion of the east branch of French's Stream runs through the site through two corrugated pipes that are located about 3 feet below ground, thus French Stream has no contact with the site soil.

The site was used from the 1950's to the mid 1980's to train fire fighters. One training technique was to fill vehicles with waste oil or various other fuels, burn them, and then the fire fighters would extinguish them. Burn pits were also used on-site. The burn pits are concrete trenches about 5-feet long, 4-feet wide, and 4-feet deep. After filling these pits with water, fuel would be put on top of the water and lit on fire (Slide 4).

No significant human or ecological risk was identified during the Phase I and Phase II Remedial Investigations. A No Action Record of Decision (ROD) was signed by the EPA and Navy in 2004 with the specification that petroleum residuals at the site would be addressed under the MCP (Slide 5). Under MCP guidelines, a MADEP representative was on-site during the exploratory phase of the RAM. Due to the wetland buffer zone status of this area, soil erosion control measures were put in place (Slide 6). Hay bales and a silt fence were set up around the perimeter and the soil stockpiles were covered with poly sheeting to prevent any spread of contamination. A wildlife biologist was also onsite daily to survey and clear the area of eastern box and spotted turtles that have been previously found on the site. The hay bales were also an added physical barrier to prevent the turtles from entering the site.

A RAM is generally divided into two phases (Slide 7). Phase I, the exploratory phase, is used to determine if contamination exists at the site and delineate the contamination, if present. During the CERCLA process, petroleum had been detected at the FFTA. The methods used to delineate the

contamination at the FFTA were test pitting, field observations, and sampling. In Phase II, the results are evaluated to determine if the contamination exists in excess of applicable criteria, which are based on the current and future use of the site. The planned future use of the FFTA is a golf course. If contamination exists, then a response action, such as soil excavation, will be determined.

Based on field decisions during the Phase I RAM, 14 test pits were excavated instead of the 10 that were initially proposed. The four burn pits were demolished. Two to five soil exploratory samples were collected from each test pit and burn pit for headspace field screening. The only time a screening sample was not collected was due to visual confirmation of petroleum at one location, therefore field screening was not needed to confirm the presence of contamination. Only a laboratory sample was collected for analysis from that location (Slide 8).

Field screening is a real time technique, e.g. results can be obtained quickly enough to direct work in the field. The soil is placed in a jar which is covered with foil, then the entire jar is recovered, and allowed to sit for about 10 minutes. As it sits, any volatile petroleum compounds in the jar equilibrate with the air inside the jar. The jar is then uncovered, and the foil is punctured with the probe of the flame ionization detector, which will give a reading of the relative concentration of the volatile petroleum compounds in the jar headspace.

Groundwater was encountered in the test pits and has been containerized at the site. This water will be sampled to determine proper disposal in the next couple of weeks.

The initial results of the exploratory phase were described (Slide 9). No turtles were seen during the Phase I investigation. The soil was not dispersed into the neighboring wetlands and the groundwater has been containerized. There is no analytical data available yet, but when it is received it will be compared to the criteria corresponding to the future use as a golf course.

The original 10 test pit locations were selected based on observations of petroleum during the RI process. The additional test pits were located by using visual observations and odor (Slide 10). The soil was excavated and examined for petroleum contamination. Water was allowed to infiltrate into the test pits; if there was petroleum contamination a sheen developed on the water's surface. The MADEP representative helped select the locations for field screening soil sample collection based on visual observations and odor. Based on the headspace results, the sample with the highest headspace reading was selected for laboratory analysis.

Once received and evaluated, the laboratory data will provide a better idea of the extent of contamination. Future activities include updating the Rockland Conservation Commission, development of an appropriate

Response Action by the LSP of Record, and then implementation of the response action (Slide 11). The most likely scenario at this time is for soil removal in the cross-hatched area seen on Slide 12. The schedule for the FFTA can be seen on Slide 13. The RAM is expected to be completed in April 2006.

M. Bromberg asked whether the French Stream water comes in contact with the groundwater at the site. The Navy clarified that there is no contact between the surface water in the pipe and the groundwater. M. Bromberg also asked if there were any samples with oil contamination near French Stream. J. McIntosh answered that the pipe carrying the stream water is at a topographic low point but the chances of any runoff from the FFTA getting into the pipe are very low. D. Barney stated that there was groundwater data from the RI at FFTA and there was no evidence of any release into French Stream.

M. Parsons asked if the water could travel along the pipes. D. Barney replied that they will check to see if there is a preferential pathway during the anticipated excavation to remove contaminated soil on top of the pipe.

M. Byram asked if there was only petroleum at the site. D. Barney answered that the reason the FFTA is under the MCP is that the RI/CERCLA process did not find any contaminants other than petroleum.

M. Parsons asked how old the pipe was. D. Barney stated that it was installed in the late 50's and was first used as a mooring for blimps. It is an asphalt-coated corrugated pipe. M. Parsons asked if it had been checked for leaks. D. Barney stated that the pipe will be assessed during the response action. J. Macintosh mentioned that they had looked at both ends of the pipe and did not see a sheen at either end. During the Phase I RAM the pipe was partially exposed to check its integrity. It was difficult to check and the plan is to investigate further during the response action. She noted that the parts of the pipe that were checked looked solid.

M. Parsons asked where the closest monitoring wells were in relation to the pipe. D. Barney said that he could not point them out but stated that there was a good network of wells surrounding the pipe and that groundwater flows toward Taxiway C. The Navy will determine if the pipe should be removed; it has not yet been determined whether or not the soil below the pipe needs to be removed as well. All impacted soil will be removed.

M. Byram asked if the contaminants will bind to the soil or flush out into the groundwater. M. Leipert answered that contaminants probably adhere to the soil because the monitoring wells surrounding the site do not show petroleum. D. Barney did not think that the petroleum is mobile in the groundwater because it is not showing up in the surrounding monitoring wells.

B. Loring added that he had joined the Weymouth fire department around 1965 and in the 1970's they did a lot of training at the FFTA. While training there he witnessed dumping of unburned fuel prior to installation of the burn pits. He asked where the excess fuel went when the soil became saturated. The response was that it appears to have adhered to the soil because there is no petroleum in the groundwater. During the RI groundwater was tested for TCL/TAL parameters, including benzene, and there was not a significant amount seen in the groundwater. The Navy has also tested sediment and surface water downstream of the FFTA site and has not found any petroleum contamination.

M. Bromberg asked if they had burned JP-8. The Navy responded that it is not clear what fuels were burned.

3. UPDATES AND ACTION ITEMS

S. Jeghelian then reviewed the two action items listed on the Action Item Tracking List (see Attachment B) for this RAB meeting as follows.

1. Small Landfill Corrective Action Alternative Analysis (CAAA) - M. Leipter stated that the Navy received a letter from SSTITDC asking for a 60-day delay. A similar request was received from Mayor Madden of Weymouth. The Navy is now waiting and expects to know more after the 60 day delay. D. Chaffin added that DEP's opinion was that they wanted the Navy, SSTITDC, and regulators to discuss the remedy considering the future use of the site. The DEP is okay with the delay and willing to wait 60 days before moving forward.

M. Parsons noted that the Small Landfill was in Rockland and thus is not a Weymouth issue. She asked for a copy of the letters from SSTITDC and Mayor Madden.

2. Monthly Update - D. Barney stated that the November update had recently been completed and mailed out to the RAB members. Therefore he did not repeat the updates for the IR, MCP, and EBS sites. There were copies of the update available at the back of the room.

S. Jeghelian then asked each of the Leads to provide updates to the list of eight Update Items.

1. Administrative Actions – D. Barney stated that the RAB had reached its 10-year anniversary, and about 100 meetings had been held in those 10 years. Secondly he proposed reconvening the RAB in February with the Navy's EGIS as the topic. The work going on right now is mainly work plan development and small field investigations, but in the beginning of 2006 there will be three major RI work plans and field efforts to start talking about: Building 81, Building 82, and the

Solvent Release Area. J. Cunningham asked about ongoing basewide work. D. Barney stated that it had just started and there would be no data until the spring. After some discussion it was agreed that there would not be a January meeting and the next RAB meeting will be in February.

2. MADEP Update - D. Chaffin stated that there was no update.
3. Coast Guard Buoy Facility Update – No update from the Coast Guard but discussions are ongoing for the ROD for that site.
4. IR Program Sites Update:

Tile Leach Field/AOCs - D. Barney stated that the public hearing on the TLF and AOC 3, 13, 15, 100 Proposed Plans was held in November and the Navy received minimal comments.

Basewide - D. Barney stated that the contract had been awarded and field work has begun.

Rubble Disposal Area - The field efforts were completed in early November. The wetland and upland soils contaminated with PCBs were excavated for off-site disposal. The cap was finished and the fence was reestablished around the site. The soil cover and erosion controls have been put in place for the winter because the hydroseed cannot be applied until the spring. Other areas of vegetation will also be restored. The wetland area was seeded with a wetland seed base that can survive the winter. The next steps are to finalize the Long Term Monitoring Plan and Operations and Maintenance Plan and install additional monitoring wells needed to conduct the long term monitoring program.

Sewage Treatment Plant - D. Barney stated that they had received comments from the agencies on a Sampling Plan for the sludge drying bed area. The comments need to be reviewed by the Navy. The Plan covers a canopied area that has been used most recently for salt and sand storage but was a sludge drying bed when the STP was active.

5. Solvent Release Area - D. Barney stated that comments on the Draft Work Plan were being reviewed with the agreement that some field work can move forward. M. Leipert stated that there was a meeting with the DEP and EPA on December 7, 2005 to discuss comments the Draft Work Plan. It was decided to move forward with the planned geophysics work. One stage, seismic work, has been completed and complements some of the work Shaw had conducted previously to get a better picture of the bedrock surface. In January/February 2006, geophysics work will continue and will look for fracture zones to be able to better place the bedrock and overburden

wells. There are two stages in the geophysics investigation so there will need to be a meeting with the regulators to review data at each stage to better define the Work Plan and well placement.

Jet Fuel Pipeline - The first quarterly groundwater sampling round was conducted the week of November 30 to measure the effect of the latest (August) injection. This is the first of four quarterly sampling events, so all the events will have to be looked at before coming to any conclusions for the site.

6. EBS Review Item Areas/Various Removal Action Update - M. Leipter discussed the following Areas of Concern:

AOC 8 - The PCB work has been completed for this area. The final report has to be submitted, and will probably be sent out in January. The Proposed Plan and ROD for AOC 8 will be combined with AOC 53.

AOC 55C - The Work Plan and the wetlands assessment are completed. There is a proposed removal action for the spring of 2006 as well as some geophysical work, test pitting, and additional soil sampling.

AOC 3, 13, 15, 100 - The public comment period for the Proposed Plan is closed. The Navy anticipates a Record of Decision in early 2006.

AOC 4A, 14, 55D, 53 - The risk assessments are complete and the Navy is proposing to go forward with a no action proposed plan which will be ready sometime next year.

M. Bromberg asked if there was anything coming out for public comment before the February RAB and if so could the public please be notified. M. Leipter agreed. If the AOC 8 report is out before the February RAB he will let the public know.

7. FOST/FOSL/CDR Update - D. Barney stated that there were no changes on FOST III/IV. J. Cunningham asked about the Navy charging Tri-Town for the remaining property. D. Barney said that the Navy is thinking about charging for the remaining land. M. Bromberg asked if there was going to be an early transfer. D. Barney stated that the FOST III is ready to sign. The Navy still needs to respond to comments on FOST IV which will be reissued next year for another public comment period and review. D. Madden asked about the difference between the economic development conveyance (EDC), the agreement to transfer the land, and the FOST. D. Barney

clarified that the FOST is the Navy's declaration that the land is suitable for transfer and the EDC is a mechanism or procedure that allows the transfer to occur. The Navy will continue to cleanup the land. A covenant defer request (CDR) allows transfer of property prior to cleanup; a CDR is not being considered by the Navy.

8. SSTTDC Update – T. Fancher discussed the SSTTDC unescorted access policy and stated that its development was tied to the cost of liability insurance. The policy applies to the property that has been transferred only. A discussion ensued concerning the presence of local residents vs. hunters, people on unauthorized motorized vehicles, and trespassers vandalizing property on the base. Possible security measures for the SSTTDC property were also discussed. Copies of the unescorted access policy were made available at the meeting. T. Fancher noted that copies of the policy would be posted on the SSTTDC web site (www.ssttdc.com) and are also available at the SSTTDC office.

B. Loring asked where the water for the planned redevelopment would come from. The concern is that once the water for development is provided by the Town of Weymouth there will be nothing stopping the developers from taking more than what was requested. He referenced the Water Management Act.

M. Byram asked if there had been any vernal pools certified. T. Fancher said he could find out from Normandeau Associates, who did work on vernal pools in 2001 for SSTTDC.

Possible Topics for future RAB Meetings

S. Jeghelian asked if there were any suggestions for topics to discuss for the next RAB meeting. The following meeting topic was set:

- February 9 – Environmental Geographic Information System

Conclusion/Next Meeting

The meeting concluded at approximately 9:15 pm. The next monthly RAB meeting was set for Thursday, February 9, 2005.

ATTACHMENT A

SIGN-IN SHEET



SIGN IN SHEET

NAVAL AIR STATION SOUTH WEYMOUTH RESTORATION ADVISORY BOARD

December 8, 2005

NAME	ADDRESS	TELEPHONE NUMBER
DAVE BARNEY	NAVY	617-753-4656
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Pam Harting-Barrat	EPA	617 918 1318
O Chaffin	DEP	617 348 -4005
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Mary Byron	Hingham	
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Mary A. Parsons	Rockland	781-871-3350
Mark Leiper	Navy	610-595-0567 ext 146
Paul D Urono	CH2M Hill	781 331 5468 ext 15
Diane Macklin	MIT/SUV	617-973-7477
Jamie McIntosh	TEEC	617-457-8411
Paul F. Anderson	Navy	617-753-4658
Jennifer Lambert	TENUS	978-658-7899
Bob Koring	Weymouth	
John Penny	WATD Marshfield	781-837-1169



**Naval Air Station South Weymouth
Weymouth, MA
Restoration Advisory Board
RAB Meeting Agenda**



8 December 2005

Conference Center on Shea Memorial Drive

7:00 PM

<i>Agenda Items</i>	<i>Item Lead</i>	<i>Projected Time</i>
1. Introduction, Review of Meeting Notes	Facilitator	7:00 - 7:15
2. FFTA Release Abatement Measure	Navy	7:15 - 7:45
3. Updates and Action Items	Facilitator	7:45 - 8:15
4. Questions, Agenda Items, Next Meeting	Facilitator	8:15 - 8:30

Facilitator: Massachusetts Office of Dispute Resolution: Susan Jeghelian

Restoration Advisory Board (RAB) Members:

Abington: James Lavin, (Alternate: Steve Ivas); Phil Sortin (Alternate: Beth Sortin)

Hingham: no current representation

Rockland: no current representation

Weymouth: James Cunningham (Community Co-Chair); Ken Hayes; Verna Hayes
Dan McCormack; Steve White

Navy: Dave Barney (Navy Co-Chair); (Alternate: Mark Leipert)

EPA: Patty Marajh-Whittemore (Alternate: Pamela Harting-Barrat)

MA DEP: David Chaffin (Alternate: Ann Malewicz)

BRAC Cleanup Team (BCT) Points of Contact:

Navy: Dave Barney, BRAC Environmental Coordinator (BEC)/EFA Northeast Remedial Project Manager (617) 753-4656
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Mark Leipert, EFA Northeast EBS Project Manager (610) 595-0557, ext. 146
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MA DEP: David Chaffin, Environmental Engineer, Federal Facilities (617) 348-4005
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EPA: Patty Marajh-Whittemore, Remedial Project Manager, Federal Facilities Section (617) 918-1382 Email: whittemore.patty@epamail.epa.gov

NAS South Weymouth Website: <http://nas-southweymouth.navy-env.com>



Naval Air Station South Weymouth Restoration Advisory Board Action Item Tracking List



8 December 2005 – Next RAB Meeting

<i>Action Item</i>	<i>Item Lead</i>	<i>Deadline</i>
ACTION ITEMS		
Small Landfill CAAA Update	M. Leipert	Next RAB
Distribute monthly Navy program status/administrative items update	D. Barney	November
UPDATES		
RAB Administrative Actions	D. Barney	Each RAB
MA DEP Update	D. Chaffin	Each RAB
Coast Guard Buoy Facility Update	R. Marino	Each RAB
IR Program Sites Update	D. Barney	Each RAB
MCP Release Areas Update	M. Leipert	Each RAB
EBS Review Item Areas/ Various Removal Action Update	M. Leipert	Each RAB
FOST/FOSL/CDR Update	D. Barney	Each RAB
SSTTDC Update	J. Lavin/ S. Ivas	Each RAB
COMPLETED ITEMS		
Provide details of RDA contractor's upcoming work (10/05)		
Provide details about SSTTDC's unescorted access policy (10/05)		
Provide turtle activity update (8/05)		
Check where upcoming RAB meeting times are posted (8/05)		
Distribute monthly Navy program status/administrative items update (8/05)		
Provide RDA construction cost, cap design life, address safety issues (6/05)		
Provide copies of DoD directive regarding environmental issues (6/05)		
Provide DEP Small Landfill letter to M. Parsons and S. Ivas (6/05)		
Distribute monthly Navy program status/administrative items update (5/05)		
Provide Vortech system O&M handout to Navy (3/05)		
Provide a paper copy of SMP schedule to J. Cunningham (3/05)		
Provide completion date of draft base-wide assessment report (3/05)		
Post summarized version of DDA on SSTTDC Website (12/04)		
Check on seating capacity for Conference Center (12/04)		
Update RAB on BRAC conference (12/04)		
Check on analytical data from RIA 112 storm drain maintenance actions (12/04)		
Provide list of sites for L. Larrabee (12/04)		
Navy and consultant evaluate alternatives for reporting data on several metals for D. Wilmot (12/04)		
Provide sample ESCA from another Navy site to Mary Parsons/B. Sortin (12/04)		
Provide copy of EPA's June 14 Letter to Navy to M. Parsons		
Provide copy of Navy's June 24 Letter to SSTTDC to M. Parsons		
Provide data on RIA 4B surface water and sediment		
Provide analytical results for several metals to Dave Wilmot		
Check on whether any more barrels have been found at RDA		
Check on preliminary data from the Jet Fuel Pipeline Site		