



Naval Air Station
South Weymouth, MA
Restoration Advisory Board
Summary of RAB Meeting – October 13, 2005



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

I. 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 asked if everyone had time to read the meeting notes from the prior RAB meeting and asked for comments on them. S. Ivas stated that he felt the meeting notes were well done. There were no other comments on the September 2005 RAB meeting notes; the notes will stand as issued. In addition, S. Jeghelian encouraged those with ideas for future RAB meeting topics to bring them to the attention of the RAB co-chairs.

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 (Small Landfill CAAA) would be followed by the Updates and Action Items portion of the meeting. Due to technical problems there were no overheads shown; however handouts were provided to the meeting attendees.

2. PRESENTATIONS

S. Jeghelian introduced Mark Leipert, Navy, who was presenting the Small Landfill Corrective Action Alternatives Analysis (CAAA). 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>.

M. Leipert introduced himself and stated he was going to provide an update on the CAAA for the Small Landfill.

The following investigations were conducted at Small Landfill under CERCLA (Slide 2):

- Phase I Remedial Investigation - 1998
- Phase II Remedial Investigation - 2000
- Ground Water Study - September 2001 to July 2002

A No Action Record of Decision (ROD) under CERCLA was issued in January 2002.

These investigations were considered by MADEP to have fulfilled the landfill closure requirements for the Initial Site Assessment (ISA) and Comprehensive Site assessment (CSA) under the Massachusetts Solid Waste Regulations, 210 CMR 19.000, with a few exceptions (Slide 3). Additional field work was required to assess landfill gases and any physical hazards associated with the materials buried in the landfill. In July 2005, 22 landfill gas samples were collected and 25 test pits were completed to better define the landfill boundaries and assess the physical hazards. Following the collection of the additional assessment information, a Corrective Action Alternatives Analysis (CAAA) was prepared. The CAAA evaluated applicable technologies for closure to determine the most appropriate options that are protective of human health and the environment. The CAAA is similar to a feasibility study under the CERCLA program.

The CAAA process was initiated in response to a notification letter received from MADEP on March 21, 2005 requesting that the Navy start the closure process under the Massachusetts Solid Waste Regulations. The Navy then responded to MADEP acknowledging the notification letter and completed an evaluation of the existing CERCLA data in April 2005 to determine if the information would fulfill the Massachusetts Solid Waste requirements (e.g. for the ISA and CSA). A meeting between the Navy, MADEP, and the Navy's contractor, HRP, was held on June 29, 2005 to discuss the data gaps identified by MADEP. The test pits and soil gas sampling activities occurred on July 11 - 12, 2005; the CAAA and Report on Installation of Test Pits and Vapor Survey were submitted to MADEP on September 8, 2005. Administrative approval of the ISA was received from MADEP on September 26, 2005 and comments on the CAAA were received from MADEP on October 5, 2005. These various documents are summarized in Slide 4.

To develop the CAAA, applicable technologies were reviewed for the following media: groundwater/leachate; air/landfill gas; surface water; wetlands and soils. There were no signs of leachate or groundwater contamination identified during the Phase I and Phase II RI extensive groundwater investigations or during the groundwater investigation from 2001 – 2002. Therefore, the technology screening focused on the other four media. The applicable technologies were screened against five standard evaluation criteria (Slide 5). The screening resulted in the selection of the following six alternatives for further evaluation:

- No Action Alternative
- Standard Closure with Clay Cap or Flexible Membrane Liner (FML)

- Consolidation/Reduced Footprint with capping
- Modified Cap Design
- Complete Removal/Off-Site Disposal
- Consolidation and Modified Cap Design

The six alternatives were evaluated using various selection criteria to determine the best possible alternative for the conditions at the Small Landfill (Slide 6). The evaluation criteria analyzed were Protectiveness, Compliance, Effectiveness, Reduction of Toxicity and Volume, Implementability, and Cost. A synopsis of these criteria is shown on Slide 7.

The recommended alternative is Consolidation/Reduced Footprint with Standard Cap and Long Term Monitoring (Slide 8). The remedy is protective of human health and the environment and there is no known risk under CERCLA. The solid waste will be contained, controlled, and managed in place. Long term monitoring will ensure containment and that site conditions are not changing. Copies of CAAA and Test Pit and Vapor Survey Reports were distributed to the RAB town representatives at the meeting and are available in the local repositories, as well as the NAS South Weymouth web site - <http://nas-southweymouth.navy-env.com>. The Navy established a 30-day comment period from October 13 to November 13, 2005. The Navy is planning to conduct discussions with SSTD and LNR regarding coordination of the selected remedy with the redevelopment plan for the base (Slide 9).

The Navy needs to move forward to meet the time frames specified in MADEP's March 21, 2005 letter. The next steps are to resolve comments received on the CAAA, select a contractor to prepare the Corrective Action Design (CAD), prepare the CAD, and award and implement the design contract (Slide 10).

K. Hayes asked for an estimate of the cubic yards of material in Small Landfill. D. Chaffin responded that there are about 7700 cubic yards of material in the Small Landfill. M. Leipter described the figures posted on the walls of the meeting room. The location of the Small Landfill was pointed out, on the eastern leg of the base on the east side of Old Swamp River. Other figures posted on the walls showed the two test pits from the RI and the 25 test pits from CAAA.

In response to a question from D. Chaffin, M. Leipter stated that concrete debris, railroad timbers, mulch bags, grass, telephone poles, plastics, and construction debris are the primary contents of the Small Landfill.

S. Ivas asked if the six evaluation criteria were weighted, similar to the CERCLA process. M. Leipter stated that there was no weighting used.

M. Bromberg asked if there were going to be any other alternatives. M. Leipert responded that the Navy would notify the public if other alternatives come up during the comment period and time would be allowed for further comment on these alternatives.

K. Hayes stated his concern about future development being affected by the plan for Small Landfill. He also asked if it would be beneficial to remove the material from the site, as had been done at the Pistol Range. The Pistol Range had approximately 27,000 cubic yards removed in comparison to the 7,700 cubic yards in the Small Landfill.

A. Malewicz suggested completion of a cost/benefit analysis of moving material off site vs. bringing material in as part of the cover. The Navy responded that the cost for total removal in the CAAA is approximately \$1.77 million vs. \$639,000 for capping in place, reducing the footprint, and 30 years of monitoring, operations, and maintenance. The Navy has not received any feedback from SSTTDC on the CAAA yet.

D. Barney stated that capping does not preclude future use, although it could be more costly. D. Chaffin stated that MADEP wants SSTTDC, LNR, and the BRAC Cleanup Team to get together and discuss coordination of the remedy with the reuse plan. He noted that the actual plan for the area is not cast in concrete. D. Barney/S. Ivas both agreed that the SSTTDC has some flexibility to adjust the redevelopment plan, so now is the time to provide comment.

M. Bromberg stated that he thought the public would be wasting their energy providing comments when the Navy and SSTTDC have not discussed what is to be done. S. Ivas (representing SSTTDC) stated they would welcome comments from the public to assist in making their decisions. J. Cunningham also thought it would be better to comment early before any ideas were set in stone and then perhaps get another chance to comment as things move forward.

D. Madden, Mass Highway, stated that it will be difficult to make comments if the future use for the area is unknown. S. Ivas said he would bring that concern back to SSTTDC and try to set up a meeting with the Navy.

A. Malewicz stated she wants the Navy to move along quickly on this project. She emphasized the need to move this forward and wants to continue to proceed through the Solid Waste program. She suggested that the RAB members talk with SSTTDC to discuss how to complete this project as quickly as possible.

K. Hayes asked about the impact of the planned pump test on the plans for the Small Landfill. The response was that groundwater (classified as GW-1) in the area of the planned pump test is in a different drainage basin from the groundwater beneath the Small Landfill. The Navy assumed a GW2/3 groundwater classification in the area of the Small Landfill in the CAAA.

S. Ivas said the Small Landfill should be added to the Action Items update list.

S. Jeghelian reminded everyone that D. Barney will prepare a written update next month instead of the regular RAB meeting due to the scheduled public hearing on other sites.

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. RDA - D. Barney stated that a contract has been awarded to:
 - complete PCB area excavation and disposal
 - manage and collect water from the excavation so it does not flow to the wetlands
 - finish the cover system
 - restore the wetlands
 - continue the post and rail fence around site
 - improve the turtle bridges - smaller aggregate will be added on top of the rip rap (3/4" aggregate size) to make it more traversable
 - review the vegetation layer and reseed - hope to do this in the fall if the opportunity is available
2. Access Policy - S. Ivas stated he spoke to Terry Fancher, who said that their policy needs to be looked at more carefully and SSTTDC needs to work with Navy to make it implementable.

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 on November 10th there would be a public hearing in place of a RAB meeting and the December 8th RAB will be a presentation on the release abatement measure (RAM) for the FFTA. It is anticipated that test pitting at FFTA will occur in late November.
2. MADEP Update - D. Chaffin stated that he had nothing to add to the FFTA/Small Landfill discussions.

3. Coast Guard Buoy Facility Update – The Coast Guard has submitted a draft Record Of Decision (ROD) and is working with the agencies to finalize the ROD. The ROD encompasses the swale, wetlands area, and the entire buoy storage area. The work has already been complete under a removal action. This is a limited action ROD for Institutional Controls, which means that there will be no further remedial work; instead there will be institutional controls, long term monitoring, and a five year review. B. Olson stated that the reason preparation of the ROD took so long was the negotiation of the institutional controls.

4. IR Program Sites Update:

Fire Fighting Training Area - D. Barney stated that the Navy is waiting to hear if the Rockland Conservation Commission wants a meeting to discuss the RAM.

Tile Leach Field - D. Barney stated that the public hearing is in November for this site.

Sewage Treatment Plant - D. Barney stated that the Internal Draft Work Plan for additional characterization work in a previously unevaluated area is being reviewed.

Building 81/82 – D. Barney stated that preliminary field work has taken place, such as redeveloping existing wells, and Work Plans are being revised for both sites based on the preliminary field work.

Basewide - D. Barney stated that a cost proposal has been received from the contractor and a contract is expected to be awarded soon. The field work will begin as soon as possible.

West Gate Landfill - D. Barney stated that the Draft Final Proposed Plan was submitted and that comments from DEP had been received; the Navy is now awaiting comments from the EPA.

D. McCormack asked if a CAAA was available for the West Gate Landfill (WGL). The equivalent for the CAAA for the WGL is the Feasibility Study, which was available around 2002. A. Malewicz asked when the public comment period would start for the WGL. B. Olson stated that the EPA will suggest two issues before providing specific comments, and then the public comment period will occur. Those two issues are the pump test near the WGL and the reuse plans for the vicinity of the WGL. The EPA wants a discussion on these two subjects before “official” EPA comments will be made. D. Barney stated that the Navy’s goal in issuing the Draft Final PRAP was to re-start discussions on the site.

M. Leipert stated that the Solvent Release Area Work Plan has been commented on by the EPA and MADEP. Copies of the Work Plan are in the repositories and have been given to RAB town representatives. Comments are still welcome from the public and plans are to get out in the field this fall. S. Ivas asked how likely it is that field work would start in the fall; he felt the public would like to see activity at the site. M. Leipert responded that it is indeed likely that field work will start in the fall.

5. MCP Release Areas Update - M. Leipert stated that GeoCleanse had returned to the Jet Fuel Pipeline site to neutralize injected chemical oxidants and the field parameters were monitored this week. This was the first monitoring round of a planned 3-month monitoring period. After 3 months, a quarterly monitoring process will begin to evaluate whether or not the groundwater concentrations are now below MCP standards.
6. EBS Review Item Areas/Various Removal Action Update - M. Leipert stated that at the next RAB meeting, November 10, 2005, there will be presentations on the Proposed Plan covering four AOCs where removal actions have been completed: AOC 3 – Suspected TACAN Disposal Area; AOC 13 – Supply Warehouse Railroad Spur; AOC 15 – Water Tower; and AOC 100 – East Street Gate Area. The Tile Leach Field Proposed Plan will also be discussed at the hearing. The installation of an additional temporary monitoring well, groundwater analysis and groundwater flow direction are some of the topics that will be covered. The schedule for the November 10th meetings/hearing is:
 - 6:00 - Poster session
 - 7:00 - Presentations on all five sites
 - 8:00 - Public Hearing

AOC 8 - The final removal action is complete but a previously unknown septic system was found. After digging up the septic system, samples were taken from the tanks and leach pit; the results are pending. The results from confirmation samples that were collected during the most recent removal action confirmed that levels were less than 1 ppm and the area was backfilled. As soon as the results are received, the septic tank, which is more like a distribution box, will be removed and the area will be backfilled. AOC 8 and AOC 53 will be combined and will be presented together in one PRAP/ROD.

7. FOST/FOSL/CDR Update - D. Barney stated that there were two outstanding FOSTs, FOSTs III/IV. He stated that no property can transfer until the conveyance process has been negotiated

(EDC). After the EDC has been completed, the draft FOSTs will likely be resubmitted by the Navy.

K. Hayes asked a question about the article in the Patriot Ledger (10/13/05) concerning construction work on the base. S. Ivas said he could answer the question in his update.

8. SSTITDC Update – S. Ivas stated SSTITDC has had a Phase I waiver for 3 years to do about 300,000 sq. ft of development on the site. Their by-laws and regulations are being worked on during the winter. The regulations will “tell” developers what the guidelines are for development, consistent with “smart growth” policies. He stated that a meeting was held with the Navy, EPA, DEP, and SSTITDC to discuss coordination of the pump test. SSTITDC wants to let the Navy do the fall basewide work before the pump test is performed. Colin McPherson is the new Weymouth board member.

J. Cunningham asked how the development would affect the environment and when it would happen. Would you rush to develop and disregard any environmental issues? S. Ivas responded that no environmental issues would be disregarded; in fact a 50 foot “no build zone” from a wetland resource was implemented by the board of directors. M. Bromberg asked if SSTITDC has any concerns with environmental issues in the Phase I area. S. Ivas answered no, those areas are completely clean.

D. Madden asked if the SSTITDC wetland buffer will apply to roadways. M. Bromberg asked if the conservation commission can change this buffer area anywhere on the base, if need be. S. Ivas said yes it can be changed. D. Madden stated that the Mass Highway Department is not subject to a municipal buffer zone. A variance would need to be obtained. There are 4 or 5 conservation commissions: Weymouth, Abington, Rockland, and SSTITDC. The conservation commissions cannot allow filling of more than 5,000 sq ft of wetland. Therefore if filling a larger area is required for the transportation corridor across the base, conservation commissions will deny the variance request and it will get bumped up for state consideration. Mass Highway would need to mitigate and replicate lost wetlands.

Possible Topics for future RAB Meetings

S. Jeghelian asked if there were any suggestions for topics to discuss for the next RAB meeting. J. Cunningham asked if anyone was interested in being on the mailing list.

The following meeting topics were set:

- November 10 - Public information session/presentation/hearing: Proposed Plans for AOCs 3, 13, 15, 100, and the Tile Leach Field (in place of regularly scheduled RAB meeting). D. Barney will prepare an informal update for November.
- December 8 – FFTA RAM

Conclusion/Next Meeting

The meeting was concluded at approximately 8:20 pm. The next monthly RAB meeting was set for Thursday, December 8, 2005.

ATTACHMENT A

SIGN-IN SHEET

SIGN IN SHEET
RESTORATION ADVISORY BOARD
PUBLIC MEETING

10/13/2005

NAME	ADDRESS	TELEPHONE
Smadon	MHD	617-973-7477
RAB James Cunningham	14 Russell Rd Sney	781-335-7607
JAMES CUNNINGHAM	WEYMOUTH/RAB	781-331-0545
Steve Juas	IE/SSTDC	781.659.1690
Susan Joghelian	MODR/UMB	617-287-4047
Don McCormick	91 Seawall Weymouth	781-331-0108
Phoebe Cull	TEWUS	978-658-7899
D. Maffin	MADDP	617 348-4005
Doris Maloney	"	617-292-5655
David U. Pann	CH2M Hill	787-371-5468
Don McCormack	Wey RAB	781-340-5008
Mike Bronberg	Rockland	
Mark Lepert	Navy	610-595-0567 EA 146
DAVE PARAZI	NAVY	617-753-4658
George Wiese	Navy	610-595-0567 x128

ATTACHMENT B

AGENDA & ACTION ITEM TRACKING LIST



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



13 October 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. Small Landfill CAAA	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
Email: barneyda@efane.navfac.navy.mil

Mark Leipert, EFA Northeast EBS Project Manager (610) 595-0557, ext. 146
Email: mark.leipert@navy.mil

MA DEP: David Chaffin, Environmental Engineer, Federal Facilities (617) 348-4005
Email: david.chaffin@state.ma.us

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**



13 October 2005 – Next RAB Meeting

<i>Action Item</i>	<i>Item Lead</i>	<i>Deadline</i>
ACTION ITEMS		
Provide details of RDA contractor's upcoming work	D. Barney	Next RAB
Provide details about SSTTDC's unescorted access policy	SSTTDC	Next RAB
UPDATES		
RAB Administrative Actions	D. Barney	Each RAB
MA DEP Update	D. Chaffin	Each RAB
Coast Guard Buoy Facility Update	R. Marino/J. Connet	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 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		
Provide USGS with leads on sources of data for the Old Swamp River Study		
Compile and review available French Stream data – to be done as part of Basewide watershed study		

ATTACHMENT C

**SLIDES FROM SMALL LANDFILL - CORRECTIVE ACTION
ALTERNATIVES ANALYSIS PRESENTATION**