



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



1. INTRODUCTIONS/ APPROVAL OF PRIOR MEETING MINUTES

Ms. Susan Jeghelian, MA Office of Dispute Resolution, and RAB meeting facilitator, opened the meeting at approximately 7:00 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. In response to her request for comments on the notes of the prior meeting, Ms. Mary Parsons stated that she had not received the December 9, 2004 meeting notes until January 12, 2005 therefore she had not had time to review them. Ms. Jeghelian directed Ms. Parsons to contact Mr. Barney, Navy, over the next few weeks with any comments or questions that she may have on the minutes. In addition, Ms. Jeghelian encouraged those with ideas for future RAB meeting topics to bring them to the attention of the RAB co-chairs. There were no further comments on the notes of the December 2004 RAB meeting.

Ms. 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. Ms. Jeghelian then noted that in accordance with the agenda, the USGS Buoy Depot Storm Water Cleanup Program Update would precede the Updates and Action Items portion of the meeting.

2. USCG BUOY DEPOT STORM WATER MANAGEMENT SYSTEM UPDATE

Ms. Jeghelian asked Ms. Rachel Marino, Project Manager, USCG, to introduce the presentation. Ms. Marino described the reasons for the storm water management system upgrade at the USCG Buoy Depot. Ms. Jane Connet, EA Engineering (EA), proceeded to the front of the room where she drew a diagram of the study area and described the work that EA has conducted to date. The project was completed in response to lead contamination in the wetland and the swale leading to the wetland as a result of overland transport of lead particulates during storm events. In the past, lead-based paints were used on the buoys. The objective of the project was to perform a storm water management upgrade which involved installing a Vortech system to remove lead particulates from storm water collected from the facility. In addition, the project involved excavation of lead-contaminated sediment from the swale

and wetlands. The storm water system upgrade would then prevent recontamination of the areas. Ms. Connet introduced Mr. Bruce Campbell, Federal Program Manager, Charter Environmental (Charter) who described Charter's construction and remediation capabilities and the activities that were undertaken during implementation of the project, pursuant to a contract with the USCG. Mr. Campbell introduced Mr. Glenn Jackson, Senior Project Manager, Charter, who oversaw on-site project activities. Mr. Jackson made the presentation which outlined the steps performed during the storm water system upgrade. The presentation consisted primarily of photographs of the field activities. Attachment C to this meeting summary includes three slides from the presentation: a site plan; and two photographs showing unloading the Vortech prior to its installation and excavation activities in the swale.

The following paragraphs summarize the presentation made by Mr. Jackson. Although questions were asked throughout the presentation, please note that a separate section has been provided at the end of this summary that covers the questions and answers.

As part of the storm water system upgrade, Charter performed site grading, implemented erosion controls, and installed piping for collection of storm water runoff. Silt fences and sediment logs were installed as erosion controls. Rock-lined trenches were constructed and an infiltration basin, catch basins and associated piping were installed to collect and store storm water during storm events. Flood zone maps were reviewed and storm event data was used to identify storm water collection areas. With this information, Charter determined the elevations required to regrade the site so that the storm water would flow into the new catch basins and then into either the infiltration gallery or into the Vortech system, which was the sediment control system designed for the site. Ms. Connet added that prior to regrading the site, the natural flow direction during storm events was for the rainwater to run outside the fence and beyond the USCG property; therefore installing these controls was necessary for containment purposes. Mr. Jackson stated that in addition to regrading, asphalt and earthen berms were set in place near the fence line to help combat this problem.

Construction of the Vortech System

In order to prepare for the installation of the Vortech system, the top 12 inches of soil was excavated and segregated for testing prior to disposal. A modular slide railing shoring system was then set in place and excavation continued to a depth of approximately 9 feet below ground surface (bgs). As soil was removed, the shoring system was lowered into the ground, creating a physical barrier around the excavated area. This shoring method allowed the equipment to be close to the excavation without compromising the integrity of the work area. In addition, since the buoy depot is an active facility, this shoring method also allowed the tops of the panels to remain approximately 3 feet above ground surface and act as a safety barrier. The total excavated area was approximately 16 x 20 feet in diameter. Once excavation was completed, the Vortech system, which is a pre-cast concrete structure with an internal aluminum cylinder (see photograph in Attachment C), was lowered into the excavated area with a crane.

A “triple header” high density polyethylene pipe was connected to the Vortech system and approximately 600 feet of high density polyethylene piping ranging from 8 to 18 inches in diameter, was laid across the site connecting the catch basins to the Vortech system. The purpose of the underground piping is to store the storm water until it can pass into the Vortech system. The piping was backfilled with sand and crushed stone and a concrete slab was laid atop the excavated area.

Operation of the Vortech System

Mr. Jackson then described how the Vortech system operates to remove sediment found in the storm water run-off. During a storm event the rainwater mixed with sediment and particulates flows into the catch basins and collects in the underground piping. The storm water flows into the Vortech system and circulates in a spiral motion around the walls of the aluminum cylinder (of the Vortech system). As the water circulates, the heavier sediment and particulates separate from the water and settle in the center of the cylinder. The storm water flows out the sides of the cylinder, around several concrete pre-cast baffles that were set in place, and discharges into the swale.

Excavation In the Swale and Wetlands

Mr. Jackson stated that the swale excavation area extended along the southern area of the property from the end of the wetland through the area where the Vortech system was installed (toward the western part of the property). The reason for excavating this area was because of lead contamination detected there. Starting at the end closest to the wetland and excavating backwards toward the Vortex system, Charter laid high density plastic mats down so that the excavation equipment could be driven across the area without disturbing it (see photograph in Attachment C). One piece of equipment excavated the material back towards the machine and into a pile. Then another piece of equipment came in and removed the pile of excavated material. As the excavation depths were reached the plastic mats were removed. Siltation fencing was also placed along the edge of the wetland to assist with containment of the area during excavation. In the wetland area soils were excavated to a depth of approximately 1 foot; toward the area of the Vortech system the excavation depths gradually increased near the Vortech system to approximately 2 feet. Ms. Connet added that the excavated soils will be stored on-site until Nobis Engineering, another USCG contractor, can complete confirmatory sampling. To date the first round of sampling in the wetland area has been completed. Due to exceedances of the state criteria further lateral excavation was required. The additional excavation was conducted and additional confirmatory samples were collected, however the results are not yet available. Confirmatory samples have also been collected 100 feet back into the swale to ensure that the goals outlined in the work plans have been met; however these results are not yet available. Upon completion of sampling, the excavated soils will be disposed of at an approved off-site disposal facility. Mr. Jackson added that outwash sand and gravel have been encountered uniformly across the site. Since both types of material are transmissive and granular,

natural drainage occurs easily. Runoff has also not been a problem encountered during the excavation, in fact any runoff has naturally infiltrated into the swale.

Mr. Jackson added that there is approximately 100 feet in the swale that still requires excavation; however it should be accomplished within the next few days. Once excavation is completed, Charter will undertake the necessary restoration activities.

Questions and Answers

Ms. Patty Marajh-Whittemore, EPA, asked a question regarding the operation and maintenance (O&M) of the Vortech system, specifically how often it will need to be cleaned. Ms. Marino responded that while EA is currently preparing the facility-wide O&M Plan, which will take into consideration catch basin and Vortech system activities, no specific timeframe had been established. Ms. Marino added that O&M is generally conducted as necessary, most likely on a quarterly basis. Mr. Jackson added that three manhole covers had been inserted into the concrete top for easy access during O&M. Ms. Mary Parsons asked a question about how the Vortech system will operate during a large storm. Mr. Jackson responded that the capacity of the Vortech system and the associated piping was designed based on statistics for historical large storm events, therefore storage of the storm water should not be an issue. Ms. Marino added that the same guidelines used by the Town of Weymouth were followed in constructing the Vortech system, therefore the potential for flooding was factored into the design.

Mr. Harvey Welch, Town of Weymouth, asked a question regarding who would be responsible for testing the water after it was released into the swale. Ms. Marino responded that these duties would be included in the Storm Water Management Plan (SWMP) for the facility and that it was part of facility-wide O&M to ensure that the Vortech system was working properly. A follow-up question was asked by Mr. Welch regarding how often monitoring would occur. Ms. Marino responded by saying that the project is part of a CERCLA site and therefore it will be regularly monitored for quite some time. Ms. Marajh-Whittemore added that monitoring would occur quarterly for one year and then could be reduced as is deemed appropriate based on the data. However, Ms. Marajh-Whittemore also stated that Ms. Marino had not yet written the O&M Plan for the Vortech system. A question was then asked regarding how long the system has been in use. Mr. Ivas, SSTD/IE, responded that the system design is over a decade old; in fact one was installed in Kingston, MA in the late 1990s.

3. UPDATES AND ACTION ITEMS

Ms. Jeghelian stated that there were no Action Items listed for discussion at this RAB meeting.

Ms. Jeghelian then asked each of the Leads to provide updates to the list of eight Update Items. Ms. Jeghelian reminded everyone to sign the sign-in sheet located on the back table as this would be the only

record of attendance available for this meeting. Mr. Barney covered the Navy updates since neither Mr. Krivansky nor Mr. Leipert were present.

1. Administrative Actions – Mr. Dave Barney, Navy, asked for comments on the new format of the meeting minutes and stated that he would look for feedback over the next few months. Mr. Barney continued by stating that on February 10, 2005, the date of the next scheduled RAB meeting, the Town of Weymouth will be holding a town meeting that might be of interest to the Weymouth RAB members since the discussion will pertain to the redevelopment program. Therefore Mr. Barney suggested that the February RAB meeting be cancelled and have meetings resume on March 10, 2005. Mr. Ken Hayes, RAB Member, asked whether there were issues pending for public comment that could not wait until March. Mr. Barney responded that the Navy's work over the next month or so primarily involves scoping and transitioning the work to the new contractor. Mr. Hayes asked a question regarding the status of the final round of testing at the Jet Fuel Pipeline. Mr. Barney said that he hadn't received an update from Mr. Mark Leipert, Navy. Mr. Hayes followed up by asking if it would be possible for Mr. Leipert to provide an update at the March 10, 2005 RAB meeting. There were no urgent issues pending therefore everyone agreed to cancel the February RAB meeting.
2. MADEP Update – Mr. Dave Chaffin, MADEP, stated that DEP had no specific items; final document reviews are ongoing.
3. Coast Guard Buoy Facility Update – Ms. Marino said that because of the concerns raised during the meeting about O&M of the Vortech system, she would provide Mr. Barney with a 1-2 page handout before the next RAB meeting, which may answer some of the questions brought up during the meeting.
4. IR Program Sites Update – Mr. Barney stated that the Site Management Plan (SMP), which is a primarily a schedule for tracking progress on the IR sites, is now available for public review. Mr. James Cunningham, RAB member, stated that he would like a paper copy of the schedule. Mr. Ivas asked the date of the SMP. Mr. Barney responded that the date is December 2004. Mr. Ivas asked if the SMP had been finalized by the regulatory agencies. Ms. Marajh-Whittemore, EPA, responded that EPA had just received a copy of the SMP for review.

With regard to specific sites under the IR Program, Mr. Barney said that at the Rubble Disposal Area, which is the most active site, the Navy is continuing to install wooden post and rail fencing; the Navy had finalized a report on the additional delineation sampling required in the elevated areas of PCB concern that would enable them to finalize excavation over the next few months. In addition, the IR program includes a base-wide watershed assessment. The new contractor is in the process of familiarizing themselves with the assessment as part of the transition of the work.

Mr. Ivas asked if there was a new completion date for the draft base-wide watershed assessment report. Mr. Barney responded that he could make the date available at the next meeting.

5. MCP Release Areas Update – Mr. Barney stated that at the jet fuel pipeline (holding tank area) the third round of hydrogen peroxide injections would likely occur within the next 3 to 4 weeks, before the regulatory deadline to which they were being held under the MCP. Ms. Parsons asked a question regarding the status of the in-situ oxidation, questioning whether it was working as well as the Navy had hoped. Mr. Barney responded that it was not, however additional investigation would be necessary. Ms. Parsons asked if Mr. Barney thought there could be another source (of contamination) contributing to the lack of success; Mr. Barney responded that he thought it would be premature to suggest this. With regard to the hydraulic lift area, Mr. Barney stated that additional rounds of groundwater sampling were going to be collected. The Licensed Site Professional (LSP) would be at the site the following day to assess the monitoring wells in that area. In addition, there was an underground storage tank (UST) of concern located on the south side of Hanger One, which was picked up on the EBS, funded, and is scheduled to be removed in the next month.
6. EBS Review Item Areas/Various Removal Action Update – Mr. Barney stated that scopes of work had been sent to the new contractor and that the Navy is awaiting comments from the regulatory agencies. Mr. Barney also stated that the Navy is determining who has signature authority for the Record of Decision (ROD) for the pistol range, which has been signed by EPA, with concurrence from MADEP.
7. FOST/FOSL/CDR Update – Mr. Barney stated that at the last RAB meeting there had been a request to extend the period for comment on FOST4 (finding of suitability to transfer) and that since that time there had been no additional comments received. The Navy is now in the process of reviewing the comments received and drafting responses to them. In addition, there has been no further action on the CDR (covenant deferral request) or FOSL (finding of suitability to lease).
8. SSTTDC Update – Mr. Ivas stated that the Tri-Town was still in the process of interviewing for a new executive director. He also noted that Tri-Town continues to review and evaluate the most recent Lennar plan and that the Metropolitan Area Planning Commission (MAPC) has taken over the review and will be providing a peer review within 60-90 days.

Additional Discussions – Possible Issues to Discuss at the Next RAB Meeting

Mr. Hayes suggested having Mr. Larry Hogan, the LSP, speak at an upcoming RAB meeting so that he could provide further information about the in-situ issues raised with regard to the Jet Fuel Pipeline, particularly the value of the work completed and why rebounding is occurring.

Mr. Ivas suggested having a discussion of AOC 108 at the March RAB meeting.

Ms. Parsons asked what was happening at AOC 8. Mr. Barney responded that he knew additional excavation was required however he wasn't sure about the funding. In addition, Mr. Barney added that Mr. Leipert stated that he was waiting for the ground to firm up because the excavation will take place in the wetland, where it is currently too wet. In addition, Mr. Barney added that he would try to get barriers for the dirt construction road out to the Fire Fighting Training Area (FFTA),

Mr. Ivas stated that he recently took Ms. Lisa Stanley, PhD wetland scientist, out to the area adjacent to French's Stream (north of Trotter Road). He indicated that she thought that the "Freetown muck" peaty material adjacent to the stream could be pleistocene peat brought to the surface when the stream was dredged to create the drainage channel. It appeared that the peat had been covered by sands; because the dredging was to a depth of 10 to 15 feet, the peat layer was encountered and some of the peaty material was brought up to the surface. He suggested adding this to the list of possibilities as something that had not been previously considered to explain the "Freetown muck".

Ms. Parsons suggested inviting the MA Department of Public Health (MADPH) Bureau of Environmental Assessment to the March or April RAB meeting in order to have an update from Dr. Norr about the ATSDR study on MS and ALS. Mr. Cunningham said that he agreed. Mr. Barney asked Mr. Cunningham to sign a letter from the RAB inviting the MADPH to a RAB meeting. Mr. Cunningham agreed to sign the letter on behalf of the RAB. Ms. Parsons also suggested having an update on the turtle study. Mr. Barney said that he would contact Mr. John Bleiler, ENSR, to see if this would be possible and said that he could provide an update on the base-wide assessment at the same time.

Ms. Verna Hayes, RAB member, mentioned that she noticed that there were no RAB members representing the towns of Hingham and Rockland. Mr. Barney confirmed this and suggested that it would be beneficial to have volunteers from these communities. He asked the others to encourage representation.

Conclusion/Next Meeting

The meeting concluded at approximately 8:30 pm. The next monthly RAB meeting was set for Thursday, March 10, 2005.

ATTACHMENT A

SIGN-IN SHEET

SIGN IN SHEET
RESTORATION ADVISORY BOARD
PUBLIC MEETING

1/13/2005

NAME	ADDRESS	TELEPHONE
Susan Jughelcin	MUDR	617-287-4047
Mette Krautzmann	MODR	617-287-4040
DAVE BARNEI	NAVY	617-253-4656
Rachel Marand	USCG	401 736-1746
Steve Luas	SSTTDC/IE	781.659.1690
David Unann	CH2M Hill	781-331-5468
Pam Horting-Berret	EPA	617 918 1318
Patty Maragh - Whittemore	EPA	617/918-1382
Phoebe Call	TENUS	978-658-7899
Michael Smart	Wey Town Council	
Jerry Marques	S.Wey	
JAMES CUNNINGHAM	WEY/RAB	781-331-0545
Paul J. Anderson	New CSU	
Paul D. Hayes	WEY RAB	781-335-3839
Kerna Hayes	S.W RAB	781-337-9077

ATTACHMENT B

AGENDA & ACTION ITEM TRACKING LIST



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



13 January 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. USCG Buoy Depot Update	USCG	7:15 - 8:00
3. Updates and Action Items	Facilitator	8:00 - 8:30
4. Questions, Agenda Items, Next Meeting	Facilitator	8:30 - 8:45

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 Krivansky)

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) (617) 753-4656
Email: barneyda@efane.navfac.navy.mil

Mark Krivansky, EFA Northeast Remedial Project Manager (610) 595-0557,
ext. 153
Email: mark.krivansky@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



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



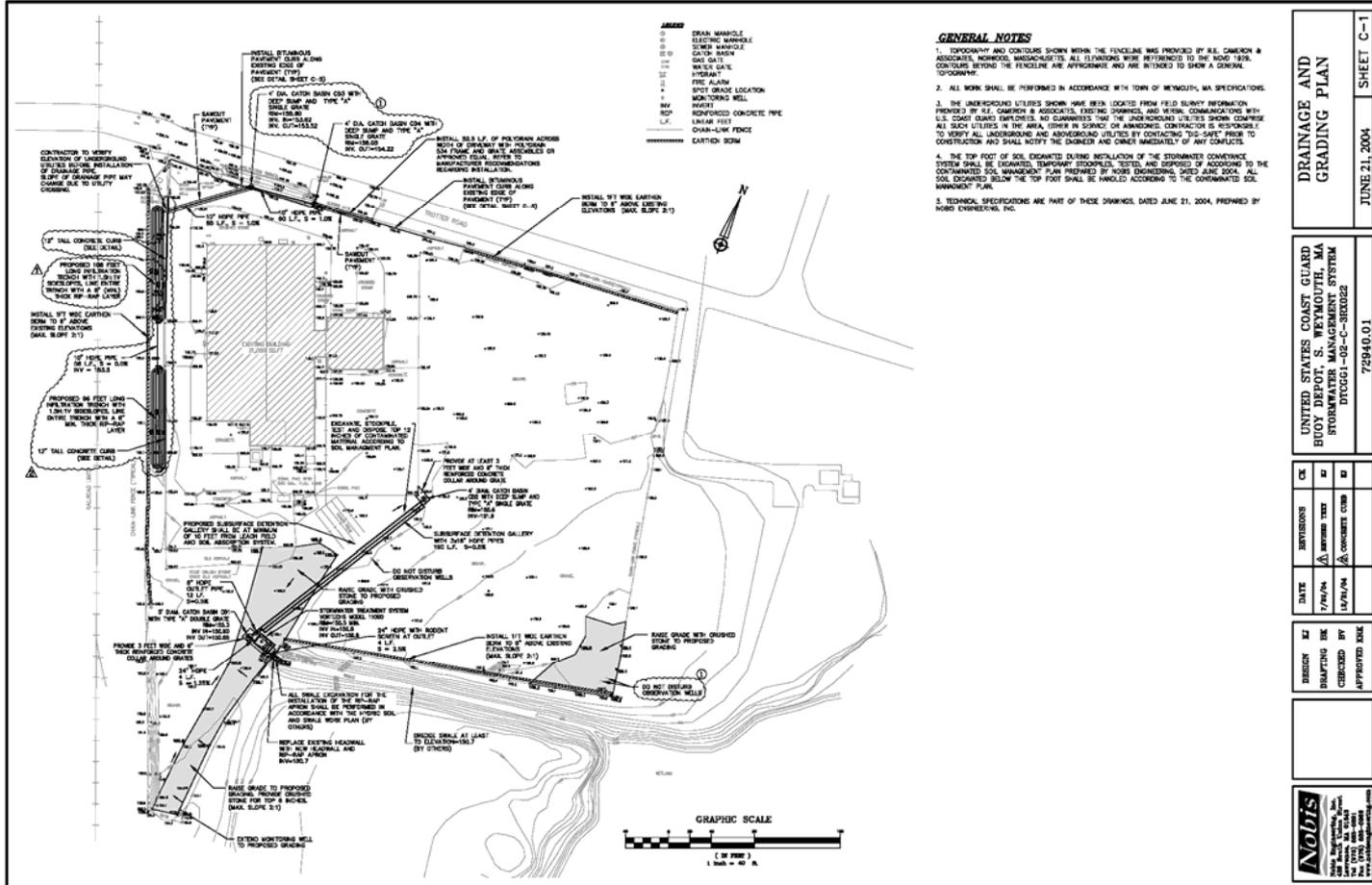
13 January 2005 – Next RAB Meeting

<i>Action Item</i>	<i>Item Lead</i>	<i>Deadline</i>
ACTION ITEMS		
None		
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	M. Krivansky	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		
Post summarized version of DDA on SSTTDC Website		
Check on seating capacity for Conference Center		
Update RAB on BRAC conference		
Check on analytical data from RIA 112 storm drain maintenance actions		
Provide list of sites for L. Larrabee		
Navy and consultant evaluate alternatives for reporting data on several metals for D. Wilmot		
Provide sample ESCA from another Navy site to Mary Parsons/B. Sortin		
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		
Provide mailing address for J. Sorenson, USGS		
Update community of off-Base well issues		
Contact Mission Statement subcommittee (S. White and B. Loring) and request update on progress for next meeting		
Compile and review available French Stream data		
Contact Susan Speers about potential changes in local public access TV		

ATTACHMENT C

PHOTOGRAPHS FROM USCG PRESENTATION

Stormwater Management System Upgrade - USCG ISD Buoy Depot South Weymouth, Massachusetts



Site Plan



DRAINAGE AND GRADING PLAN		JUNE 21, 2004		SHEET C-1
UNITED STATES COAST GUARD BUOY DEPOT, S. WEYMOUTH, MA				
STORMWATER MANAGEMENT SYSTEM				
DTCCG1-05-C-303022				
72940.D.1				
DATE	BY	CHECKED BY	APPROVED DATE	
7/24/04	[Signature]	[Signature]		
DESIGN	REVISIONS	DATE	BY	CHECKED BY
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Stormwater Management System Upgrade - USCG ISD Buoy Depot South Weymouth, Massachusetts



Unload Vortech



Stormwater Management System Upgrade - USCG ISD Buoy Depot South Weymouth, Massachusetts



Swale

