

**RESTORATION ADVISORY BOARD MEETING
NAVAL AIR STATION BRUNSWICK, MAINE
PARKWOOD INN
17 OCTOBER 2007
7:00 – 9:00 PM
MEETING NOTES**

1. MEETING ATTENDEES

Lonnie Monaco, Remedial Project Manager	U.S. Navy, NAVFAC Mid Atlantic
Dawn Kincaid, BRAC Environmental Coor.	U.S. Navy, BRAC PMO Northeast
Amy Van Dercook, Project Geologist	U.S. Navy, NAVFAC Atlantic
Jennifer Wright, Biologist	U.S. Navy, NAVFAC Atlantic
Claudia Sait, Remedial Project Manager	Maine Department of Environmental Protection
Christine Williams, Remedial Project Mgr.	U.S. Environmental Protection Agency
Mike Daly, Remedial Project Manager	U.S. Environmental Protection Agency
Jackson Kiker, Chemist	ECC
Gina Calderone, Project Manager	ECC
Linda Klink, Project Manager	Tetra Tech
Arnie Ostrofsky, Project Manager	Tetra Tech
Doug Harvey, Meeting Recorder	H&S Environmental
Carolyn Lepage, BACSE TAG Consultant	Lepage Environmental Services
Lisa Joy, Environmental Director	NAS Brunswick, Environmental Department
Marty McMahan	NAS Brunswick
Carol Warren, BLRA Representative	Brunswick Local Redevelopment Authority
Captain George Womack, RAB Co-Chair	NAS Brunswick Commanding Officer
Bob Rocheleau, BLRA Member	Brunswick Local Redevelopment Authority
Suzanne Johnson, RAB Representative	Town of Brunswick
Ed Benedikt, RAB Member	Brunswick Area Citizens for a Safe Environment
Peter Lea, BACSE Member	Bowdoin College/ Brunswick Area Citizens for a Safe Environment
Tom Brubaker	Citizen
David Chipman, RAB Representative	Harpswell, Maine

2. INTRODUCTIONS

Lonnie Monaco introduced himself and brought the meeting to order, pointing out that everyone should have a copy of the agenda showing the items that will be addressed during the meeting. Lonnie introduced representatives from the various groups including Dawn Kincaid and Amy Van Dercook from the US Navy; Captain George Womack, Commanding Officer of Naval Air Station (NAS) Brunswick and Restoration Advisory Board (RAB) Co-Chair; Lisa Joy, NAS Brunswick Environmental Department; Mike Daly and Christine Williams, US Environmental Protection Agency (EPA); Claudia Sait, Maine Department of Environmental Protection (MEDEP); Ed Benedikt, Brunswick Area Citizens for a Safe Environment (BACSE); Suzanne

Johnson, Town of Brunswick and Peter Lea, Bowdoin College and member of the Brunswick Area Citizens for a Safe Environment (BACSE).

3. NAS BRUNSWICK WEBSITE

Linda Klink of Tetra Tech introduced a new website which was created to facilitate communication in presenting all information related to NAS Brunswick environmental cleanup activities (Attachment 2). The website address is <http://nasbrunswick.navy-env.com/>.

Linda proceeded to present a demonstration of the website on the projection screen.

- Displayed web page which presents the Navy's Environmental Program and a summary of NAS Brunswick's progress to date.
- Displayed web page which describes the regulatory process.
- Displayed page presenting facility information, which includes general site maps of facility. The user also has the ability to print maps if desired.
- Demonstrated web link to a calendar which shows time and dates for RAB meetings and also give the user access to past meeting minutes and agendas.
- Displayed web page for the newsletters.
- Displayed site descriptions page which has a table describing the various sites, a site map showing all the sites being investigated, and the actions taken at each site. A click on the site name links users to more detailed information on specific sites.
- Displayed page showing recent and upcoming field activities.
- Displayed community relations page and administrative record page, which includes point of contact information and the most current Community Relations Plan.
- Displayed documents for a public viewing page which presents any documents currently in public review. Note that John James, NAS Brunswick Director of Public Affairs, is the point of contact.
- Also coming soon there will be an issues tracking system page. As the Base moves towards closure and various issues arise this page will track the issues.
- Also coming soon will be a page for the Site Management Plan which will present schedules and fact sheets about each site.
- Also coming soon a link to EPA's website will be added.

Linda wrapped up her presentation saying that she hopes the website is a useful tool for everyone and facilitates communication between the Base and public. She also thanked and credited Lisa Joy for her good suggestions for the website. Captain Womack commented that he is pleased with the website and that we have certainly come a long way.

4. STATUS UPDATES

Lonnie Monaco gave a status update of various reports and activities in progress (Attachment 2). The Navy is preparing a version of the Site Management Plan which is scheduled to be out in December 2007. A draft Community Relations Plan is scheduled for release in November 2007. The Old

Navy Fuel Farm (ONFF) removal action is completed and concentrations are attenuating (are decreasing). Sampling at Old Navy Fuel Farm is on-going.

5. NAVY EXCHANGE SERVICE STATION

Arnie Ostrofsky, Tetra Tech, introduced himself. He stated that the gas station is an active facility and that lots of work has been completed at the site over the years (Attachment 3). There was a spill recorded in the 1990s. Subsequently, excavation of soils was completed and a vapor extraction system was installed. In 2004, Tetra Tech conducted the denitrification-based bioremediation (DBB) pilot program which involved adding chemicals to wells (in-situ remediation) to treat the contamination. Wells have been sampled to monitor concentrations. The key issue is gasoline range organics (GRO) which have site specific cleanup levels of 500 mg/kg for soil and 50 ug/l for groundwater. The trend of data shows that concentrations are rebounding. So far, it does not look like the pilot program is working well.

Suzanne Johnson asked if the Navy could not treat the contamination then what would the alternative be. Claudia Sait stated that the only other way is to dig it up and noted that the 500 ug/kg standard was set when it was anticipated that the base would continue to be open. Ed Benedikt asked if that would mean removing the gas station. Claudia Sait stated that it would mean removing the station, the road, and lots of utilities in the area. That is why the Navy attempted to use this (in-situ remediation) method first.

Ed Benedikt asked if there was a danger to people, and Claudia replied that air monitoring was done.

Suzanne Johnson asked when it is decided that the contaminants need to be dug up. Arnie Ostrofsky stated that he will get the results back shortly and will evaluate the data to make a decision.

A member of the public asked if this isn't like a superfund site. Claudia Sait answered no, and that the Navy has tried a lot of remedial methods at this site. You have to let them go through the process and not just shut everything down.

Arnie Ostrofsky presented the analytical results that illustrate that concentrations do not appear to be going down in soil and groundwater, so that the source will likely have to be removed. He stated that part of the problem with GRO (analysis) is that it measures a lot of things. A different analysis, for example, using mass spectrometry methods may be performed to better identify the contamination. Also, there are plans to evaluate further downgradient. The thinking is that the release may impact Site 9. Arnie Ostrofsky also stated that the fourth round of sampling would start in about one week and a decision would be made after New Year's.

Captain Womack asked if the sampling was going to happen later on in the month.

Suzanne Johnson asked, if this isn't a Superfund site, does the State set standards. Claudia Sait said yes, and pointed out that, while the Navy has done a lot, if the source is removed, the 50 ppb

standard can be reached. However, it will take time. In response to Captain Womack's question about a surface spill, Claudia said the evidence of releases started in 1981 with inventorying results. She mentioned 20,000 gallons as being released from piping, tanks, and incidental spills over time, although Arnie Ostrofsky said it was probably more.

Ed Benedikt asked if someone could give a quick course in chemistry to describe what the chemical composition of gasoline is. Arnie Ostrofsky answered that gas has about 50 different carbon chains.

Ed Benedikt asked what gasoline breaks down in to. Jackson Kiker answered that gasoline breaks down into carbon dioxide and water.

Ed Benedikt asked if there were other by products like chlorine or other things that were harmful. Jackson Kiker answered no and that the by products are innocuous (harmless).

Arnie Ostrofsky asked Ed Benedikt if he was satisfied with the answers provided and Ed acknowledged in the affirmative.

6. MERE BROOK TISSUE STUDY

Lonnie Monaco introduced the topic of the Mere Brook fish tissue study, done this past summer. Christine Williams from EPA introduced herself and presented a summary (Attachment 2). She noted that Mike Daly will be taking over her responsibilities as the EPA project manager regarding NAS Brunswick.

The Department of Fish and Wildlife, EPA, and the Navy took samples of fish in July 2007. Christine indicated on the projection screen where reference samples were taken. She then pointed out where site related samples were taken. These samples were ground up and sent to Alpha Woods Hole Laboratory, Mansfield, MA Christine stated that she couldn't provide any indication of what was found. Christine Williams said that the results would be received from the lab in January/February [2008].

A member of the public asked if the same procedure was used for the study in 1995 and the study in July 2007. Christine answered yes. It might be a little different but should yield comparable data.

7. SITE 9

Lonnie Monaco was glad to report that this month the Navy is disposing of ash material and excavation activities will continue, all systems go (Attachment 2). Captain Womack asked where the continued excavation will go. This topic is still being evaluated and is on-going by Navy.

8. 1,4-DIOXANE

Lonnie Monaco stated that the Navy has been investigating 1,4-dioxane as part of a long-term monitoring program (Attachment 2). The work plan for this effort was released earlier this week for review.

Ed Benedikt commented that he was under the impression that 1,4-dioxane was treated with UV (ultra violet) oxidation in the past. Lonnie Monaco answered that UV oxidation was found to not be cost effective with other contaminants so the switch was made to carbon. At the time, 1,4-dioxane was considered an 'emerging contaminant' and also at the time environmental samples collected at NAS Brunswick were not tested for 1,4-dioxane. Christine Williams added that the action level was low so 1,4-dioxane needed to be addressed.

Ed Benedikt asked what will be done to treat 1,4-dioxane if treatment with carbon is not effective. Lonnie Monaco answered. If it is shown that 1,4-dioxane needs to be treated, then a treatment plan will be developed. At this point, the Navy is in the stage of investigation to determine the extent of the 1,4-dioxane contamination problem.

Suzanne Johnson, a member of the public, asked where the contamination is located. Linda Klink answered. The contamination is believed to be in the southernmost area of the Eastern Plume. The extent needs to be determined. Linda Klink pointed out that the 1,4-dioxane migrates more readily than other VOCs, and Lonnie noted that the extraction wells were located to collect [other]VOCs, not 1,4-dioxane. The existing extraction wells in the Eastern Plume are there for the treatment of TCE (trichloroethylene), not for 1,4-dioxane, and there are no extraction wells currently located in the area of 1,4-dioxane contamination. Linda Klink referred to the map poster showing the location of the Eastern Plume.

9. STIPULATED PENALTIES

Lonnie Monaco explained that the Navy missed sampling some wells in three rounds of monitoring in 2005 and 2006 and the EPA has asked for restitution. The Navy will be meeting tomorrow at EPA headquarters in Boston, MA to try and resolve the issue.

10. FIELD WORK SCHEDULE

Lonnie Monaco explained that the Long-Term Monitoring Program (LTMP) is a twice a year event. The Fall sampling event was just completed. Monitoring well 308 (a bedrock well) is a well that showed contamination. As a result, attention has been turned to bedrock investigation to determine the extent.

The Site 9 direct push investigation south of Neptune drive is to determine how far ash material has extended depending on results of the Remedial Investigation (RI).

Next week, site visits at munitions areas are scheduled for regulators, Navy and contractors.

Site 9 north of Neptune Drive removal action is on-going. The hope is to finish all field work before snowfall. If not, the work will be completed in 2008.

An update was given on the placement and installation of extraction well 5B. The vault and piping installation should be completed winter 2007.

Ed Benedikt asked about the second new extraction well. Lonnie said that all [the stakeholders] agreed on the first one. The groundwater modeling now going on will help locate the second new extraction well.

11. QUESTIONS, FUTURE RAB ITEMS, NEXT RAB MEETING

The next RAB meeting is scheduled for December 12, 2007.

Carol Warren asked how public notice is provided for upcoming RAB meetings. Lonnie answered that a notice is put in the newspaper one month ahead of time.

Carol Warren suggested that a notice be placed on the community calendar. It is free and more frequently referenced. A member of the public suggested/offered putting the notice on the town website.

Captain Womack presented Christine Williams with a letter of appreciation, this being her last official RAB meeting at NAS Brunswick. He stated that he enjoyed her contributions and read the letter of appreciation aloud to the RAB attendees. Ed Benedikt also thanked Christine and presented her with a token of appreciation, a lobster cook book, on behalf of the Brunswick Area Citizens for a Safe Environment.

Meeting adjourned at 8:30 PM.

ATTACHMENT 1

Sign In Sheet
Naval Air Station Brunswick (NASB)
Restoration Advisory Board (RAB) Meeting
Parkwood Inn
Brunswick, Maine
Wednesday, October 17, 2007
7:00PM - 9:00PM

Name	Affiliation	Contact Information
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ATTACHMENT 2

