



NAVAL AIR STATION JOINT RESERVE BASE (NAS JRB) WILLOW GROVE Restoration Advisory Board (RAB) Meeting Minutes RAB Meeting No. 49

Meeting Date: June 6, 2012

Meeting Time: 6:00 p.m.

Meeting Place: Horsham Township Public Library

	<u>Name</u>	<u>Organization</u>
Attendance:	Karl Pfizenmayer	Community Member
	Mary Liz Gemmill (R)	RAB Community Co-Chair
	Tom Ames	Horsham Township Authority (HLRA)
	Eric Lindhult (R)	RAB Member
	Willie Lin (R)	Navy, BRAC PMO (Co-Chair)
	Brian Helland (R)	Navy, NAVFAC
	Martin Schy	NAS JRB Navy Caretaker's Office
	Margaret Pollich (R)	PADEP
	Jessica Kasmari (R)	PADEP
	Andrew Frebowitz	Tetra Tech
	(R) Designates RAB Member	

Willie Lin opened the meeting by greeting the attendees. Mr. Lin referred to the agenda and turned the meeting over to technical support staff for the briefing.

Andrew Frebowitz commenced the briefing on the individual sites, but noted that the discussion would not include Site 1 as no new information or investigation has occurred since the last RAB meeting. Mr. Frebowitz provided an update on the investigation at Site 3 – Ninth Street Landfill. The final Remedial Investigation (RI) report was submitted in October 2011 with a recommendation to conduct chromium speciation sampling prior to preparing the feasibility study (FS). The sampling was conducted to determine which types of chromium are present; trivalent chromium or the more toxic hexavalent chromium. The data is being used to calculate the ration of chromium species to develop remediation goals for the site. This information will be included in the FS which is currently being prepared. Eric Lindhult asked if the chromium we looked at was in soil or groundwater. Mr. Frebowitz replied that chromium speciation was only performed on soil samples because chromium was not a contaminant of concern in groundwater.

Mr. Frebowitz turned the floor over to Mr. Lin for further discussion of Site 3. Mr. Lin discussed the Historical Radiological Assessment (HRA) being conducted for NAS JRB Willow Grove. In 2009, the Naval Sea Systems Command Radiological Affairs Support Office (RASO) provided a briefing to the RAB about the requirements for the HRA. The draft HRA will be ready by early summer and consists of a file review for potential radiological impacts across the base. The HRA will identify sites for further study as part of a basewide radiological management plan. Site 3 has been identified in the draft document as a site for further study. Because the FS is currently being developed, the Navy is planning to proceed with a radiological survey, even before the

HRA is completed. The results of the survey will be incorporated into the FS. To conduct the survey, it is anticipated the site will be cleared in late summer this year which will allow for a surface scan to be performed in the fall. The scan is conducted by a tractor-pulled detector to scan for radiation. Tom Ames asked if other sites are going to eventually be included for surveys. Mr. Lin acknowledged that other sites will be included, but Site 3 was the priority since the information is needed for the FS.

Mr. Frebowitz continued with a discussion of Site 5 – the Fire Training Area. Mr. Frebowitz referred to a slide that showed the layout of the pilot test treatment system and stated that the last round of sampling showed that the subsurface environment still showed suitable conditions for continued reduction of the contamination. The Record of Decision (ROD) is proceeding and will include continuation of the groundwater treatment, natural attenuation, and land use controls (LUCs). After the ROD is signed, a remedial design (RD) for LUCs and a RD for expansion of the treatment system will be prepared. Additional injection wells will be installed and sampling of existing monitoring wells and the new injection wells will be conducted. Based on the results, a plan for additional amendments such as Lactoil or biological organisms will be determined. Mr. Lindhult asked about the current oxidation-reduction potential (ORP) readings. Mr. Frebowitz replied that they varied, but ORP readings of -200 were still being observed in some wells. Mr. Lindhult and Mr. Frebowitz discussed what type amendments would be necessary and if the additional wells were necessary. Mr. Frebowitz stated that the site hydrogeologists would evaluate the data to determine if additional biological organisms are needed or if additional Lactoil would be sufficient. The site hydrogeologists have recommended the additional wells to increase the circulation of the nutrients through the impacted areas would be beneficial.

Mr. Frebowitz provided a brief background on Site 12 – South Landfill. The Phase I investigation identified potential disposal areas using an electromagnetic survey. Sampling results showed elevated levels of various contaminants, most significantly, polycyclic aromatic hydrocarbons (PAHs) and metals in surface and subsurface soils. The Phase II investigation included additional test pits at anomalies that were not accessible during the Phase I work, expansion of the soil sampling locations to achieve better spatial coverage to determine the nature and extent of contamination, and installation and sampling of new monitoring wells as well as sampling of monitoring wells on Site 2 located adjacent to Site 12. Results are currently being validated and reviewed, and human health and ecological risk assessments are being performed. Mr. Ames asked if we had a good understanding of groundwater flow from Site 12. Mr. Frebowitz replied that groundwater contouring was currently being performed, but indications are that flow is to the south. The new wells are located along the southern border of the landfill; therefore, these are expected to provide a representative characterization of groundwater leaving the landfill. Mr. Lindhult and Jessica Kasmari discussed the potential of a groundwater divide and groundwater flow, and Ms. Kasmari indicated there is a divide at Site 5, but not at Site 12 and flow is generally indicated to be to the south and east.

Mr. Frebowitz continued with an update on Building 21. This building was a former paint blasting facility. A 1995 investigation showed elevated levels of lead in soils around the building. The Navy conducted an investigation in October 2011 which showed contamination primarily in the top foot of soils along the southern side of the building. Mr. Frebowitz referred to a slide that highlighted the area of contamination with lead exceeding the cleanup goal of 400

milligrams per kilogram. The report was finalized in April 2012, and the next step is to conduct a removal action of lead-impacted soils. Brian Helland indicated that the Navy is beginning a procurement to have a contractor perform the cleanup. They will need to prepare a work plan, and perform the cleanup in the fall. Mr. Ames asked if this report was uploaded to the library website. Further discussion indicated that although a copy was sent to the library, it may not have been uploaded since this is not a CERCLA site; the Navy will check on the status. After the RAB meeting, Mr. Lin confirmed that the Horsham Township Library administrative record website has the document.

Mr. Frebowitz asked if there were any questions. There were no questions.

Mr. Lin provided an update on base closure transfers; there has been forward progress on transfer of housing parcels. In addition, the HLRA has approved the redevelopment plan. Mr. Ames added the HLRA board has approved the plan and submitted it to the Navy. An agreement has been reached with the homeless providers and the HLRA is now waiting for the HUD review of the plan. Mr. Lin added that the Navy is required to do an environmental impact statement (NEPA) review and that process has started and should take approximately 18 months. There will be public meetings, separate from the RAB meetings, which will be held during this process.

Mr. Lindhult asked about the progress of building the Army Reserve Center. Mr. Lin replied that that the Army Reserve Center was built on a parcel which was transferred to the Air Force and now part of the Horsham Air Guard Station, not a part of the Naval Air Station. Additional discussion clarified that construction of the center has been completed. Mr. Lindhult asked if a detention basin was built and if there were issues due to the proximity of the water table. Martin Schy stated the basin was constructed and operating as intended.

The Air Force was not present and there was no discussion regarding their restoration program.

The attendees discussed potential future meeting dates and set September 5, 2012 and December 5, 2012 at 6:00 pm at the Horsham Township Library for the next two RAB meetings.

Meeting adjourned.