

**NAS KEY WEST RESTORATION ADVISORY BOARD
14 JUNE 2005 MEETING SUMMARY**

Location

Hemingway Room, Sheraton Suites, Key West, Florida

Restoration Advisory Board Members

Robert Courtright	US Navy – NAS Key West	
Tracie Vaught	FDEP	
Ron Demes	US Navy – NAS Key West	
Jeff Meyers	US Navy EFD South	
Linda Martin	US Navy- SouthDiv	

Other Participants

Edward Russell	FDEP	
Debbie Pyron	Tetra Tech NUS, Inc.	
Chuck Bryan	Tetra Tech NUS, Inc.	
Steve Bivone	CH2MHill Constructors	
Michael Davenport	US Navy Region SE	
	Key West Citizen	
M. J. Cwik	Sci-Med, Inc.	
Byas Glover	NAVFAC	
Gabriel L. Magwood	NAVFAC	

Welcome and Introductions

Ron brought the meeting to order at 7:00 PM.

Review of Last Meeting

Ron presented the last meeting’s minutes and noted the date was incorrect.

NASKW Major Remedial Projects

Steve Bivone from CH2MHill Constructors, Inc. (CCI) provided an update on NASKW major remedial projects.

Free Product Recovery Program

The free product recovery program at Trumbo Point began in November 2002. This program consists of two parts: 1) aggressive and 2) passive. CCI has performed Aggressive Fluid Vapor Recovery (AFVR) on 23 wells to capture floating oil and other petroleum products on the groundwater table. In March 2003, CCI started the “Passive” Phase of the Recovery Program. The Passive Phase of the program has been implemented for environmental clean-up of the free product oil at sites to meet the cleanup requirements specified in the Remedial Action Plan for the site. Steve noted the significant progress made to date -ten of the free product areas in the program now meet the clean up criteria, only two more free product areas remain for remediation.

The Oil Recovery Program has been very successful, by remediating 38 of 43 wells into the final compliance monitoring phase of the Program. This should allow the Navy to request a “No Further Action” (NFA) classification from the State of Florida for 10 of the 12 petroleum sites in the Free Product Recovery Program (the two exceptions are for the areas designated as FP-5 and FP-16). To meet the clean up criteria, the monitoring wells must exhibit 3 consecutive (quarterly) sampling events where no free product is detected.

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Groundwater Monitoring and Attenuation Monitoring

The groundwater sampling and attenuation monitoring phase of the program was completed in January 2004. Two sets of groundwater sampling events occurred and analysis determined that the compliance wells are clean.

Poinciana Housing Unit Well Remediation

This project is the remediation of soil and groundwater in and around a well that has arsenic contamination. Evaluation of the analytical data determined that additional soil sampling would be required. Soil removal activities are scheduled over the next two months to remove 80 to 100 tons of soil and replacement with clean backfill.

Building 1276 Hydraulic Ram Removal

This project consists of the removal of two hydraulic rams in the ground at an old car service station at Truman Annex. Soil sampling determined that one ram pit wall sample still contains some petroleum contamination. The contaminated soil in this area is scheduled for removal next month.

M. Chik asked if there was any chemical or bio-treatment employed at these petroleum sites. Steve responded yes, that several hundred tons of soil was treated chemically with an oxidizing compound (potassium permanganate) at the Trumbo Point Fuel Farm site. The contaminated soil was excavated, treated, and placed back into the ground.

M. Chik asked if these sites were contaminated with heavy-end or lighter-phase petroleum contaminants. Steve responded it varied from "light to heavy" petroleum constituents depending on the site.

M. Chik asked how long it would take to meet the threshold values (clean up criteria). Steve stated that all sites are expected to be in compliance by March 2006.

Truman Annex Land Use Controls

Chuck gave a slide presentation depicting various levels of land use restrictions at Truman Annex. The most restrictive controls are the engineering controls where maintaining soil concrete or asphalt caps over contaminated soil is required. R. Blazevic pointed out that he had recently seen digging near one of the control areas at Truman Annex. Chuck discussed the DRMO waste storage area (WSA) and soil disturbance restrictions due to subsurface contamination. Ron pointed out that the DRMO WSA property has been transferred to the City of Key West. Chuck then noted that petroleum contamination at the East Quay Wall property as the reason for groundwater restrictions on the property. CCI has performed remediation of the contamination at Building 103 and all contamination had been removed. It is now possible to remove the groundwater restriction in the area, provided sufficient data is presented to support such a change. Chuck noted the restriction along the Harbor Front adjacent to NOAA's property. This area is restricted as a non-residential use area but can be (and is) used for some types of commercial use.

Ron requested slide 2 (Overview) be shown again. He pointed out the currently-paved road between the green and gold (land use restriction) areas. Ron stated something needs to be done about this area. Specifically, can we restrict the area? How do we safe guard the area when the road and paving is removed? Jeff commented it would be hard to restrict the area since it had already been turned over to the city. A brief discussion by Ron was given on the road access issue. The Navy (Mole Pier and adjacent property) and Fort Zachary Taylor will have

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different access routes to their respective properties after the roads are modified at Truman Annex. Ron and Linda discussed the reuse plan and the conditions under which the properties have been transferred. There is nothing in the reuse plan or the property transfer documentation that provides any controls for any contamination potentially existing under the road. There is currently no data for the soil under the road. Jeff commented this is a discussion for the lawyers. Ron pointed out a location where the state of Florida was going to build a gate house but is being moved due to the land use control restrictions.

R. Blazevic asked where the mound came from. Ron commented it is most likely clean fill on top of old fill. The mound itself may have been created a long time ago during a harbor dredging project. The contents of the mound (mostly limestone "rocks") have recently been sampled and the data show no contamination within the mound.

Meeting Adjournment

Ron discussed topics for the next meeting. Introductions were made for RAB members, Partnering Team members, and all attendees. Ron adjourned the meeting at about 8:15 PM.