

MINUTES  
NAVAL WEAPONS STATION (NAVWPNSTA) SEAL BEACH  
RESTORATION ADVISORY BOARD (RAB)  
AND COMMUNITY MEETING  
City of Seal Beach Council Chambers  
April 16, 2013

*Participants:*

*Blake, Geoffrey/RAB Member*

*Hamparsumian, Hamlet/Parsons*

*Lieberman, Tara/Richard Brady and Associates (BRADY)*

*Marroquin, Roy/Community Member*

*Munroe, Bruce/RAB Member*

*Olivera, Jerry/City of Seal Beach*

*Reese, Brenda/Remedial Project Manager (RPM), Naval Facilities Engineering Command Southwest (NAVFAC SW)*

*Smith, Gregg/Public Affairs Officer, NAVWPNSTA Seal Beach*

*Stillman, Glenn/RAB Member*

*Tamashiro, Pei-Fen/RAB Navy Co-Chair, NAVWPNSTA Seal Beach*

*Wittenberg, Howard/CYK Inc.*

*WELCOME*

Pei-Fen Tamashiro commenced the meeting at 6:00 pm at the City of Seal Beach Council Chambers by welcoming all participants. Attendees were asked to introduce themselves and to sign-in and collect handouts at the front table.

P. Tamashiro introduced Gregg Smith, the Public Affairs Officer for NAVWPNSTA Seal Beach.

P. Tamashiro announced that two presentations will be given tonight: An overview of the Project Highlights for the Installation Restoration Program (IRP) and Munitions Response Program (MRP) by Brenda Reese, RPM; and a technical presentation on the status of the remedial action of groundwater at IRP Site 40 by Howard Wittenberg of CYK Inc.

*B. Reese began the project highlights portion of the presentation by acknowledging the Navy team members, regulatory agencies, and contractors. She provided background on the Defense Environmental Restoration Program (DERP), reviewed IRP and MRP sites status at NAVWPNSTA Seal Beach, and identified sites on a base map. Active IRP sites briefly reviewed included: Site 7 Station Landfill; Site 40, Concrete pit/Gravel Area; Site 70, Research, Testing, and Evaluation Area; Site 74 Skeet Range; Site 75, KAYO SB Ag Well; UST 7 (Bldg. 229)- Former UST Site; and UST 8 (Bldg. 500) – Former UST Site. She announced that a site closure had been granted for UST 229 by the Santa Ana Regional Water Quality Control Board (RWQCB) since the last RAB meeting. She concluded by briefly discussing the MRP Preliminary Site Inspection and Site Inspection statuses.*

Questions and answers discussed during the Project Highlights and Budget Status Presentation are summarized below.

**Question:** *Do you know when new data related to Site 75 will be available, and can you name the PRPs?*

**Answer:** *There are several potential responsible parties (PRPs) that have conducted additional investigations to the east of Site 75. At one of the sites, the clean-up has been significant and a portion of the source area has been excavated. Natural attenuation has been monitored at the other site. According to RWQCB, the results from these investigations should be made publically available on Geotracker within the next couple of months. At this time, Navy has not named the PRPs.*

**Question:** *Has there been any update from Navy legal regarding Site 75?*

**Answer:** *No, we have not received any update from Navy legal. There is a back log of cases and they have to prioritize them.*

**Question:** *Is the contamination at Site 75 still migrating?*

**Answer:** *Based on data from the two rounds of sampling that were conducted at Site 75, concentrations looked very stable, and the groundwater flow direction is very consistent. We cannot verify if the contamination is migrating. Groundwater flows to the west (onto Navy property). Currently there are no production wells in the area, so any migration would be according to the natural groundwater flow.*

**Question:** *Has the Navy considered the potential impact of salt water intrusion on the site as a result of increasing mean seal level? Is the Navy leasing land to farmers for growing crops in the area?*

**Answer:** *Salt water intrusion is not a concern for Site 75. It might be a concern for drinking water aquifer in the deeper zone that Orange County Water District is managing. The area has been leased to farmers for many years. The contamination is in the groundwater, and the soil is not contaminated. The irrigation well has been abandoned in 2006, so groundwater from this site is no longer used for irrigation.*

P. Tamashiro introduced H. Wittenberg of CYK to deliver the technical presentation on the status of IRP Site 40.

*H. Wittenberg began by reviewing the location and site history of Site 40. Then he discussed the primary contaminants present on site. Next he reviewed the remedial actions and monitoring activities from 2005 to the present, and showed a timeline of remediation highlighting the decreasing concentrations of contaminants, and the breakdown process which occurs during*

bioremediation. He concluded with a map of trends by key wells, showing a general trend of decreasing concentrations and reductions from previous years.

Questions and answers discussed during the Site 40 Presentation are summarized below.

**Question:** *Did you see an increase in vinyl chloride?*

**Answer:** *Yes we did see an increase as a result of the breakdown of cis-1,2-dichloroethylene (cis-DCE).*

**Question:** *On chart, you showed the location (MW-40-08) does not appear to be represented on the colored plume map. Chart to the right doesn't seem to show up on colored plumes, 4<sup>th</sup> one down on the right.*

**Answer:** *The plume contour is estimated based on the data that are available. The data point from well location MW-40-08 causes the plume to extend to the northwest.*

**Question:** *What is the cleanup goal for cis-DCE and Vinyl Chloride?*

**Answer:** *The MCL for cis-DCE is 6 ug/L, and 0.5ug/L for Vinyl Chloride.*

**Question:** *Does the data from 2012 confirm the southeast movement of the plume?*

**Answer:** *Yes, however there is no real measurable movement and the gradient across the site is very flat.*

**Question:** *Are these surface ambient air samples?*

**Answer:** *The air samples were collected at the surface using a gas meters which measure both methane and VOCs.*

**Question:** *Did you see any variance in concentration based on changes in water levels?*

**Answer:** *No, we did not see any variance in concentrations as water levels were fairly consistent since we monitored at the same time every year. Prior to 2010, we conducted quarterly monitoring, but we did not see a huge variation related to water levels between the rainy and dry season. The site is very flat and there is not much movement in groundwater flow even during the rainy season.*

**Question:** *Have you looked at the related health impacts (number of days of sick leave) for the contract personnel working in the vicinity of the site? This information could be used for confirmation purposes.*

**Answer:** *We have not looked into that type of data, but we have been monitoring vapor since the beginning of the investigation. The Navy does not normally look into employee related data unless there is evidence indicating an impact.*

## *ANNOUNCEMENTS*

P. Tamashiro announced that on Friday, April 12<sup>th</sup> she received a phone call from the Orange County Health Care Agency (OCHA) which oversees well construction and permitting. A private citizen had reported that one of the well heads along Bolsa Chica Avenue, adjacent to Site 75, had been damaged. The steel well lid had been cracked creating a void space. This damage was most likely caused by a heavy vehicle load that exceeded weight limitations. The City of Huntington Beach inspected the well, and contacted the county to verify that it was a well installed by the Navy. The Navy then contacted the contractor, who fixed it on the following Monday. There are no additional issues.

P. Tamashiro announced that John Broderick will be retiring from the Water Board at the end of April 2013. He has been on and off as the RPM for Seal Beach since 1992. Patricia Hannon will be taking over at the Water Board RPM, she is familiar with all the IRP sites, so it will be a smooth transition.

P. Tamashiro announced that the next RAB meeting will be a site tour that will be held on July 10, 2013.

## *ELECTION OF RAB CO-CHAIR*

P. Tamashiro held a RAB members only session to elect the next RAB community co-chair. All non-RAB members were asked to leave the meeting.

*Glenn Stillman was elected as the new RAB Co-Chair.*

## *ADJOURNMENT*

P. Tamashiro adjourned the meeting at approximately 7:00 p.m.

Note: This is a meeting summary, not an actual transcript.