

**LONG BEACH NAVAL COMPLEX
RESTORATION ADVISORY BOARD
FINAL MINUTES FROM 21 JULY 1998 MEETING**

The Long Beach Naval Complex held a Restoration Advisory Board (RAB) meeting on 21 July 1998, at the Navy Caretaker Site Office, off Navy Way and Ocean Boulevard, Long Beach, California.

RAB ATTENDANCE:

Alan Lee - Present
LCDR Tony DiDominico - Present
Martin Hausladen- Present
Alvaro Gutierrez - Present
Henry Brice - Present
Mary Butler - Absent
Carol A. Churchill - Absent
P. James Drake - Absent
Harold Ellis - Absent
John Essington - Present
Betsy Foley - Present
Howard Hargrove - Absent
Bob Kanter - Present
Joseph Petway - Present
Darwin Thorpe - Present
Karl A. Tiedemann - Present
Anna Ulaszewski - Present
Maria Vargas - Absent

OTHERS PRESENT:

Michelle L. Gallice, CDM Technical Support
Aaron Yue, Cal-EPA DTSC
Viola Cooper, U.S. EPA Region IX
John Pickering, AMC
Rick Sauerwein, Battelle
Victor Magar, Battelle
Del Davis, City of Long Beach
Abram Loskof
Terry Ulaszewski
Don Darnauer

MEETING BEGAN AT 7 PM - John Essington, Community Co-Chair, presiding as Chair.

The Chair welcomed the RAB members, and members of the audience, and reminded everyone to please sign in (PRINT LEGIBLY) - *"The sign-in sheet is the official record of attendance for each RAB meeting. It is the responsibility of each and every RAB member to sign into the official record. If you do not sign in, you did not attend the meeting"*.

The Chair reminded the RAB members that the meeting was being tape recorded. No objections were voiced from the floor.

Administrative Issues

The Chair asked for comments on the 19 May 1998 meeting minutes. The minutes were approved with no corrections.

The Chair asked for recommendations on where to hold future RAB meetings, because the LBNC Caretaker Site Office will be unavailable after September. Mr. Tiedemann suggested the Long Beach Plaza Mall, it has free parking and plenty of room for RAB meetings. Dr. Kanter suggested the library. Ms. Ulaszewski stated that since the library closes early, it may be expensive. Ms. Gallice stated that they required a one-million dollar insurance policy, as well as the costs of the room and the hourly rates of library employees and security that are required to stay after hours. Mr. Lee suggest public high schools, however Ms. Ulaszewski stated that they have a cost and Dr. Kanter pointed out that they aren't usually air-conditioned. Mr. Tiedemann suggested the use of the community colleges, or the water or gas departments. Ms. Ulaszewski agreed that the water department would be a good choice.

Ms. Gallice will work with Mr. Lee and Mr. Essington to find a new RAB location from the suggestions provided. [Subsequent to the RAB meeting, Ms. Gallice contacted Del Davis, City of Long Beach, about their community room at 200 Pine Street (downtown Long Beach) and Carolyn Hartzell, Long Beach Water Department, about their community room at 2950 Redondo Avenue (Lakewood area). Ms. Gallice and Mr. Lee will tour these locations before the next RAB meeting.]

Presentation of Draft Engineering Evaluation/Cost Analysis for IR Site 14

Prior to the presentation, Mr. Lee provided a copy of the Draft EE/CA for Site 14 to the RAB group leaders. Because Mr. Hargrove was unable to attend the meeting, Mr. Thorpe accepted the copy for Group II. Mr. Lee stated that RAB members should contact their group leaders if they want to review the document as a group instead of reviewing the document at the Information Repository.

Dr. Magar presented the results of the EE/CA performed for IR Site 14 at NAVSTA. The EE/CA was performed in accordance with current U.S. EPA and Navy guidance documents for a non-time critical removal action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Chapter 6.8 of the California Health and Safety Code.

Dr. Magar identified the contaminants of concern and their concentrations at the site, based on three previous documents, the PA, SI, and Expanded SI (ESI). Risk-based removal action objectives were established for the site and their values were proposed in the EE/CA for regulatory review and acceptance. Tetrachlorethene (TCE) related Volatile Organic Compounds (VOCs) were detected in groundwater samples at IR Site 14. Only samples from the shallow groundwater sample interval exceeded the risk-based cleanup objectives of the site.

Dr. Magar proceeded to describe the removal action selection process. A wide array of possible removal actions were identified and screened, which narrowed the number of removal actions to the following four groundwater and four soil removal action alternatives and one combined soil and groundwater removal action.

Soil Removal Alternatives:

- No Further Action
- Soil Excavation

Groundwater Removal Alternatives:

- No Further Action
- Monitored Natural Attenuation

- Soil Vapor Extraction
- In Situ Resistive Heating
- Enhanced Anaerobic Dechlorination
- Pump & Treat

Combined Soil and Groundwater Removal Alternatives:

- In Situ Resistive Heating

These remaining removal actions were evaluated in detail, based on the criteria of implementability, effectiveness, and cost. The EE/CA contains analysis of these alternatives, and describes the recommended removal action alternative for IR Site 14. Based on this EE/CA analysis, the Navy recommends in situ electrical resistive heating of contaminated soils and groundwater. Groundwater remediation will be followed by one year of monitoring to protect against rebound effects and to confirm that there is not a risk to human health or the environment.

The talk concluded with three case studies that were presented in support of in situ resistive heating. The technology was developed originally as a method to enhance removal of VOCs from low-permeability soils.

Extra copies of the handouts can be obtained from the RAB Technical Support representative.

Presentation of Port of Long Beach Activities at LBNC

Dr. Kanter presented an update on the activities that the POLB is performing at LBNC, specifically at Site 7. Dr. Kanter stated that with the LIFOC for LBNC being executed by the end of July, the POLB will agree to perform all remediation of the West Basin.

Dr. Kanter presented the plans for the contamination removal, sampling, and remediation efforts to be performed by the POLB at Site 7. They will be dredging at some places to a depth of 84 feet. They plan to test the samples they collect for bioassays, physical and conventional chemistry, metals, pesticides, and organics. It will take about four to five months. The field work began in mid-July, the lab data should be available in September, and the report should be issued in October. The POLB is hoping to obtain final approval of the report and remediation plans by the end of October.

Open Forum for RAB Members and Members of the Audience

- Ms. Cooper stated that a good job had been done on the LBNC Community Relations Plan.
- A few RAB members asked about the work being done on the Vincent Thomas Bridge. Ms. Foley and Dr. Kanter stated that a seismic retrofit was being performed on the bridge.

Having no additional comments, the RAB meeting was adjourned at 9:00 P.M.

The next LBNC RAB meeting is scheduled for **15 September 1998** at the Navy Caretaker Site Office, off Navy Way and Ocean Boulevard.

These minutes were recorded by Michelle L. Gallice of CDM Federal Programs Corporation acting as the RAB Technical Support at 619-268-3383, and reviewed and approved by all members of the Long Beach Naval Complex Restoration Advisory Board.

Approved meeting minutes for the Long Beach Naval Complex (LBNC) RAB can be found at:

- (1) The LBNC Information Repository located at the Long Beach Public Library, Government Publications Department; and*
- (2) The Internet at the Southwest Division Naval Facilities Command Web page at <http://www.efdswest.navy.mil/DEP/ENV/default.htm> - SWDIV Point of Contact: Mr. Lee Saunders (619) 532-3100.*