

**DEPARTMENT OF THE NAVY
Long Beach Naval Complex
Long Beach, California**

RAB MEETING NOTICE

To All RAB Members and interested parties:

The next Long Beach Naval Complex Restoration Advisory Board (RAB) meeting is scheduled for September 20, 1994 at 7:00 P.M. at the Naval Station Long Beach, Officer's Club.

The Agenda for this RAB meeting will include:

- ▶ A discussion of the RI/FS workplan for Sites 1-6A at the Naval Station Long Beach.

RAB members are requested to review the enclosed draft July 19 meeting minutes, and come to the September 20 meeting prepared to provide their comments.

If you have any questions or comments about the RAB, please feel free to contact:

LT Karl Johnson
Public Affairs Officer, Naval Station
(310) 547-7219
or
John Ryan
Public Affairs Officer, Naval Shipyard
(310) 547-7798

PLEASE NOTE!!

**WE ARE CURRENTLY UPDATING OUR RAB MAILING LIST.
IF YOU NO LONGER WISH TO RECEIVE INFORMATION ABOUT THE
LONG BEACH NAVAL COMPLEX RAB, PLEASE CALL
PUBLIC AFFAIRS OFFICER JOHN RYAN AT 310-547-7798
AND ASK TO BE REMOVED FROM THE MAILING LIST.
THANK YOU.**

ENCLOSURE
DRAFT 19 JULY 1994 MEETING MINUTES

THE ABOVE IDENTIFIED ENCLOSURE IS NOT
AVAILABLE.

EXTENSIVE RESEARCH WAS PERFORMED BY
SOUTHWEST DIVISION TO LOCATE THIS
ENCLOSURE. THIS PAGE HAS BEEN INSERTED
AS A PLACEHOLDER AND WILL BE REPLACED
SHOULD THE MISSING ITEM BE LOCATED.

AN APPROVED 19 JULY 1994 MEETING MINUTES
IS ENTERED IN THE DATABASE AND FILED AT
ADMINISTRATIVE RECORD NO. N68311.000627

**DEPARTMENT OF THE NAVY
Long Beach Naval Complex
Long Beach, California**

NOTICE

August 1994

To All RAB Members and interested parties:

The Long Beach Naval Complex (LBNC) Community Relations Plan dated August 1993 stated that four Information Repositories were established: (1) Long Beach Public Library; (2) San Pedro Public Library; (3) Wilmington Public Library; and (4) Naval Station Long Beach library. Information Repositories were established to allow public access to documentation related to the environmental cleanup of the LBNC.

In June of 1994, the Department of the Navy (DON) visited the above information repositories and talked with library representatives to assess the information repository (IR) status. The San Pedro and Wilmington libraries respectfully declined to continue to participate as an IR due to budget and staffing cutbacks. As a result, the LBNC Information Repositories had to be reorganized.

The LBNC now has two information repositories, located at:

Long Beach Public Library
Government Publications Department
101 Pacific Avenue
Long Beach, California
(310) 570-7500

Naval Station Long Beach Library, Building 398
Long Beach, California
For passes to enter the base contact:
through 30 Sept 1994 - Duane Rollefson (310) 547-7086
after 30 Sept 1994 - Anna Ulaszewski (310) 547-8441 or
John Ryan (310) 547-7798

The LBNC Administrative Record (AR) is maintained and located at:

Southwest Division
Naval Facilities Engineering Command
1220 Pacific Hwy
San Diego, California
Contact: Chris Potter (619) 531-1144

**If you have any questions about the Long Beach Naval Complex Information
Repositories or Administrative Record, please feel free to contact:
Alan K. Lee, BRAC Environmental Coordinator
(619) 532-1250**

RESTORATION ADVISORY BOARD (RAB) MEETING
Naval Station Long Beach, Officers' Club
September 20, 1994

AGENDA

- 7:00 P.M. Welcome/Administrative Issues - Chair: Alan Lee
- Approval of July 19 Meeting Minutes
 - Distribute approved Minutes for the June 21 meeting
 - The closing of the Naval Station Long Beach
- 7:10 P.M. Discussion of RI/FS Workplan for Sites 1-6A at the Naval Station Long Beach
- 8:45 P.M. Open Meeting to RAB members and members of the audience
- 9:00 P.M. Adjourn

APPROVED

**Long Beach Naval Complex
RESTORATION ADVISORY BOARD
Minutes from September 20, 1994 Meeting**

The Long Beach Naval Complex held a Restoration Advisory Board (RAB) meeting on September 20, 1994 at 7:00 P.M. in the Officer's Club, Naval Station Long Beach.

RAB members present:

Alan Lee
Anna Ulaszewski
LCDR Kevin Barre
Mike Radecki
Sheryl Lauth
Alvaro Gutierrez
Hugh Marley
David Breuning
Donna DiRocco
Theresa Dodge
Bill Forrester
Richard Landgraff
Maria Ramirez
Alvin Samala
David Sundstrom
Joan Greenwood
Robert Kanter
Bea Morrow
Betsy Foley
Bob Hamm
Don May
Duane Rollefson

Other Attendees Present:

Kathy C. Stevens, Technical Support to the
DON/RAB Recording Secretary
John Ryan
Sam Pinn
Lee H. Saunders
LT Karl Johnson
Anita Garcia
Claire Best, DTSC Community Relations
Specialist
Krish Kapur
Karl Tiedemann
James A. Olsen
Kimberly Kesler
David Pease

RAB Members Absent:

Dan Cartagena
Joy Baggish
Howard Hargrove
Angel Perea
Greg Roche

Alan Lee (BRAC Environmental Coordinator) Navy Co-Chair presided over this meeting.

Administrative Issues

Donna DiRocco made a motion to approve the minutes. Maria Ramirez seconded the motion. The RAB meeting minutes of July 19, 1994 were approved without amendments.

LCDR Kevin Barre discussed the closing of the Naval Station Long Beach. The Decommissioning is planned for 30 September 1994. Once the Naval Station closes, the Long Beach Naval Shipyard will take over the Naval Station under interim caretaker status.

Discussion of the RI/FS Workplan for IRP Sites 1 through 6A

Mike Radecki, Remedial Project Manager (RPM) for the Long Beach Naval Complex, presented an overview of the RI/FS Workplan. Mr. Radecki engaged questions throughout his presentation. After a lengthy discussion, it was concluded that a document of this complexity required further explanation. The Navy proposed a series of workshops to help the RAB members gain a better understanding of environmental restoration. The workshops were planned for the following Tuesdays at 7 P.M.:

October 11, 1994 - "Basic Environmental Issues"

October 18, 1994 - "Soil Sampling and Contamination"

October 25, 1994 - "Groundwater and Local Geological Setting"

November 1, 1994 - "The Assessment of Risk"

All RAB members are encouraged to attend. Please RSVP to Kathy C. Stevens at (310) 807-2190.

General Comments from the RAB and Audience

The RAB members requested summary sheets for IRP Sites 1-13. The Navy agreed to pull information from the Workplans and provide site summaries.

Mike Radecki encouraged the RAB members to visit the Information Repositories and review the previous environmental investigation documents prepared for the Long Beach Naval Complex.

The meeting was adjourned at 9:00 P.M.

The next RAB community meeting is scheduled for Tuesday, November 15, 1994 at 7:00 P.M. in the Officer's Club, Naval Station Long Beach.

These minutes were recorded by Kathy C. Stevens (of BNI, the CLEAN II Contractor), acting as the RAB Recording Secretary, and reviewed and approved by all members of the Long Beach Naval Complex Restoration Advisory Board.

Document Review

Initial Approach

a quick preview

- Familiarize Self with Document
- Read Table of Contents
- Look at graphics
- Look for Appendices

Review Basic Reference

regulation, guidance document or permit

- What does the reference require?
- Does the reference list requirements?
- Does it describe the items in its list?

Compare Document to Reference

- Is there obvious parallelism between Document & Reference?
- Are there missing pieces?
- Are there extra pieces?

Does the Document Make Sense?

- Is the Document internally consistent?
- Does it use two terms for exactly the same things?
- Does the content support conclusion(s)?

Is the Document Relevant?

ie, Can you see that the contractor visited the base?

- Does the Document incorporate relevant Base policies, plans, procedures?
- Are relevant Base:
titles, names or phone numbers provided?

Is the Document Useable?

- Can relevant sections be pulled by users?
- Is there enough/too much boiler plate?
- Do graphics elucidate or obfuscate?
- Are the helpful worksheets or formats?

General Impression Terms

- **Overall Content: Excellent/Good/Adequate/Inadequate**
Does the document address what it is supposed to?
- **Document is: Complete/Substantially Complete/ Incomplete**
Are all the pieces in the document?
- **Quality: Excellent/Good/Adequate/Poor**
Does the document do it well?

OVERVIEW

NAVAL STATION LONG BEACH

INSTALLATION RESTORATION PROGRAM

REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORKPLAN

PRESENTER:

**MIKE RADECKI, SWDIV
REMEDIAL PROJECT MANAGER
LONG BEACH NAVAL COMPLEX
20 SEPTEMBER 1994**

WORKPLAN PURPOSE

- **COMPLIANCE WITH NAVY INSTALLATION RESTORATION PROGRAM AND CERCLA**
- **TO REVIEW RELEVANT PAST INVESTIGATIONS AND IDENTIFY DATA GAPS**
- **OUTLINE A PROGRAM FOR REMEDIAL INVESTIGATION/FEASIBILITY STUDY ACTIVITIES**
- **DEVELOP INVESTIGATION PROGRAM WHICH WILL LEAD TO A RECORD OF DECISION**

WORKPLAN OBJECTIVES

- **ADDRESS IR SITES 1, 2, 3, 4, 5, 6A**
- **DEVELOP A RI/FS APPROACH FOR EACH SITE:**
 - **REVIEW EXISTING DATA**
 - **DEVELOP CONCEPTUAL MODEL OF SITE CONDITIONS**
 - **PERFORM SCREENING ASSESSMENT TO IDENTIFY WHERE RISK-BASED OR REGULATORY-BASED CRITERIA HAVE BEEN EXCEEDED**
 - **DETERMINE IF SITE REQUIRES FURTHER INVESTIGATION OR WARRANTS REMOVAL ACTION**
- **IDENTIFY DATA COLLECTION PROGRAM FOR SITES REQUIRING FURTHER INVESTIGATION**

WORKPLAN ORGANIZATION FOR SITES 1 THROUGH 6A

- **SECTION 1.0 -
INTRODUCTION AND BACKGROUND**
- **SECTION 2.0 -
OUTLINES MANAGEMENT APPROACH**
- **SECTION 3.0 -
PRESENTS FACILITYWIDE ASSESSMENT, INCLUDING
PHYSICAL SETTING, LAND USE, CONTAMINANT
TRANSPORT AND EXPOSURE**
- **SECTION 4.0 THROUGH 9.0 -
PRESENTS THE PROGRAM FOR FURTHER
INVESTIGATION**

WORKPLAN ORGANIZATION FOR SITES 1 THROUGH 6A (CONT'D)

- **SECTION 10 -
OUTLINES THE RI/FS TASKS**
- **SECTION 11 -
PRESENTS THE IMPLEMENTATION SCHEDULE**
- **SECTION 12 -
REFERENCES**

WORKPLAN APPENDICES

- **PRELIMINARY EVALUATION OF ARARs**
- **SCREENING RISK ASSESSMENT METHODOLOGY**
- **LEACHING PATHWAY EVALUATION**
- **SEDIMENT TOXICITY EVALUATION APPROACH**
- **INITIAL EVALUATION SUMMARIES FOR SITE 4**
- **PRELIMINARY REMEDIAL ALTERNATIVES EVALUATION**
- **DATA QUALIFIERS**
- **PHYSICAL PROCESSES IN LONG BEACH HARBOR**
- **DATA SUMMARIES FOR METALS**

PURPOSE OF THE REMEDIAL INVESTIGATION

- **CHARACTERIZE CONDITIONS**
- **DETERMINE NATURE OF WASTE**
- **ASSESS RISK OF HUMAN HEALTH AND THE ENVIRONMENT**
- **CONDUCT TREATABILITY TESTING AS NECESSARY TO EVALUATE THE POTENTIAL PERFORMANCE AND COST OF TREATMENT TECHNOLOGIES BEING CONSIDERED**

PURPOSE OF THE FEASIBILITY STUDY

PROVIDES THE MECHANISM FOR THE DEVELOPMENT, SCREENING, AND DETAILED EVALUATION OF REMEDIAL ACTION ALTERNATIVES.

REMEDIAL ACTION OBJECTIVES

REMEDIAL ACTION OBJECTIVES ARE ESTABLISHED TO SPECIFY THE POTENTIAL CONTAMINANTS OF CONCERN, POTENTIAL EXPOSURE PATHWAYS AND REMEDIATION GOALS.

REMEDIAL ACTION GOALS

- **SELECT A REMEDY THAT PROTECTS HUMAN HEALTH AND THE ENVIRONMENT, MAINTAINS PROTECTION OVER TIME, MINIMIZES UNTREATED WASTE AND COMPLIES WITH ARARs.**
- **SCREEN ALTERNATIVES FOR EFFECTIVENESS IN REDUCING TOXICITY, MOBILITY OR VOLUME; FEASIBILITY OF IMPLEMENTATION OF THE TECHNOLOGY; AND COST OF CONSTRUCTION, OPERATION AND MAINTENANCE.**

RI/FS OBJECTIVES FOR SITES 1 AND 2

- **CHARACTERIZE CONTAMINANT LEVELS IN SUBSURFACE SOILS AT RECREATIONAL AREAS**
- **DETERMINE LOCATIONS OF TRENCHES**
- **CHARACTERIZE SOIL CONTAMINATION WITHIN TRENCH AREAS**
- **CHARACTERIZE SOIL CONTAMINATION WITHIN BURN PIT AREA**
- **CHARACTERIZE SOIL AND GROUNDWATER AND IF NECESSARY, EVALUATE VERTICAL AND HORIZONTAL EXTENT OF CONTAMINATION**

RI/FS OBJECTIVES FOR SITE 3

- **CHARACTERIZE SURFACE SOILS WITHIN WASTE DISPOSAL AREA**
- **DETERMINE LOCATIONS OF WASTE PITS**
- **CHARACTERIZE SHALLOW GROUNDWATER AND EVALUATE POSSIBILITY OF DENSE NON AQUEOUS PHASE LIQUID (DNAPL)**
- **CONFIRM BOUNDARIES OF WASTE DISPOSAL AREAS**
- **CHARACTERIZE TOXICITY OF SURFACE SEDIMENTS**
- **EVALUATE EXPOSURE OF SEDIMENTS TO INNER AND OUTER HARBOR SIDES OF MOLE**

RI/FS OBJECTIVES FOR SITE 4

- **CHARACTERIZE TOXICITY OF SEDIMENTS ALONG OUTER EDGE OF MOLE**
- **CHARACTERIZE CONTAMINANT CONCENTRATIONS IN SURFACE SOILS**
- **CHARACTERIZE SUBSURFACE SOILS AND GROUNDWATER FOR CONTAMINANTS OF CONCERN**
- **CONFIRM PRESENCE OF CONTAMINANTS PREVIOUSLY OBSERVED AT ALTERNATE SITE 1**
- **EVALUATE HORIZONTAL AND VERTICAL EXTENT OF CONTAMINATION**

RI/FS OBJECTIVES FOR SITE 5

- **CONFIRM PRESENCE OF PETROLEUM HYDROCARBONS IN GROUNDWATER AND SOIL**
- **EVALUATE THE SOURCE AND EXTENT OF PETROLEUM HYDROCARBON CONTAMINATION, IF FOUND**
- **CHARACTERIZE GROUNDWATER QUALITY**

RI/FS OBJECTIVES FOR SITE 6A

- **CHARACTERIZE CONTAMINANT LEVELS OF SURFACE SOIL WITHIN DISPOSAL AREA**
- **VERIFY BOUNDARIES OF WASTE DISPOSAL AREAS AND EVALUATE THE EXISTENCE OF DISCRETE TRENCHES**
- **CHARACTERIZE CONCENTRATION OF CONTAMINATION IN SHALLOW GROUNDWATER**
- **EVALUATE HORIZONTAL AND VERTICAL EXTENT OF GROUNDWATER CONTAMINATION**

RI/FS TASKS

- **PROJECT PLANNING**

- **CONSISTS OF COORDINATION OF ALL ACTIVITIES NECESSARY TO IMPLEMENT THE RI/FS WORKPLAN**

- **COMMUNITY RELATIONS**

- **PROVIDES A MECHANISM FOR INVOLVING THE COMMUNITY IN THE RESTORATION PROCESS**

- **FIELD INVESTIGATION**

- **INSTALL WELLS, DRILL BORINGS, COLLECT SOIL, WATER AND SEDIMENT SAMPLES**

RI/FS TASKS (CONT'D)

- **SAMPLE ANALYSES/VALIDATION**

- **SAMPLES COLLECTED IN THE FIELD WILL BE ANALYZED AND CHECKED (VALIDATED) TO ENSURE ALL COLLECTION AND LAB PROCEDURES WERE DONE**

- **DATA EVALUATION**

- **REVIEW BORING LOGS, GEOPHYSICAL MAPS AND SOILS AND GROUNDWATER DATA**

RI/FS TASKS (CONT'D)

- **HUMAN HEALTH RISK ASSESSMENT**

- **DETERMINE THE PROBABILITY OF ACTUAL OR POTENTIAL HARM TO HUMAN HEALTH AND THE ENVIRONMENT POSED BY THE THREATENED OR ACTUAL RELEASES OF HAZARDOUS SUBSTANCES AT OR FROM THE SITE IN THE ABSENCE OF ANY REMEDIAL ACTION**

- **ECOLOGICAL RISK ASSESSMENT**

- **ASSESS THE ACTUAL OR POTENTIAL THREAT OF DAMAGE TO THE AQUATIC ECOSYSTEM OF LONG BEACH HARBOR CAUSED BY CONTAMINANTS ASSOCIATED WITH THE NAVAL COMPLEX LONG BEACH**

RI/FS TASKS (CONT'D)

- **TREATABILITY STUDY/PILOT TESTING**

- **BASED ON THE FINDINGS OF EACH SITE INVESTIGATION, A TREATABILITY STUDY MAY BE NECESSARY TO EVALUATE POTENTIAL TREATMENT TECHNOLOGIES TO EVALUATE THE PERFORMANCE AT ONE OR MORE SITES**

- **REMEDIAL INVESTIGATION REPORTS**

- **DOCUMENTS THE DATA COLLECTION AND ANALYSIS IN SUPPORT OF THE FEASIBILITY STUDY**

RI/FS TASKS (CONT'D)

- **REMEDIAL ALTERNATIVES DEVELOPMENT/SCREENING**
 - **OPTIONS FOR REMEDIATION WILL BE DEVELOPED IN DETAIL BY ASSEMBLING COMBINATIONS OF TECHNOLOGIES AND THE MEDIA TO WHICH THEY WOULD BE APPLIED, INTO ALTERNATIVES THAT ADDRESS CONTAMINATION ON A SITE-WIDE BASIS**

- **DETAILED ANALYSIS OF REMEDIAL ALTERNATIVES**
 - **EVALUATE REMEDIAL ALTERNATIVES FOR COMPLIANCE WITH THE STATUTORY REQUIREMENTS OF CERCLA**

RI/FS TASKS (CONT'D)

- **FEASIBILITY STUDY REPORTS**

- **SELECTS THE REMEDIAL ALTERNATIVE(S) THAT ARE PROTECTIVE OF HUMAN HEALTH AND THE ENVIRONMENT AND MEET THE STATUTORY REQUIREMENTS OF CERCLA**

- **POST RI/FS REPORT**

- **PREPARE RESPONSIVENESS SUMMARIES, PROPOSED PLANS, AND CONDUCT PRE-DESIGN ACTIVITIES**