



PROJECT NOTE NO.
PN-0249/250-31
CLE-C01-01F249/250-I2-0015

PROJECT NO.
01-F249/250-YS

CONFIRMATION OF: CONFERENCE X DATE HELD 25 May 1993
TELECOM DATE ISSUED 7 June 1993
OTHER RECORDED BY Kathy Brewer/CH2M HILL
PLACE Long Beach, California

SUBJECT Contract Task Order (CTO) No. 249/250 N60258.000737
Technical Review Committee (TRC) Meeting NSY LONG BEACH
Naval Complex (NC) Long Beach SSIC #5090.3
Remedial Investigation/Feasibility Study (RI/FS) Work Plans

PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)

Kathy Brewer - CH2M HILL
Peter Torrey - CH2M HILL
Charles Flagg - CH2M HILL
See attached list

ACTION
REQ'D. BY

ITEM

A TRC meeting was held on 25 May 1993 at 1300 hours to discuss the draft RI/FS Work Plans and Sampling and Analysis Plans (SAPs) prepared for the Naval Station Long Beach (NAVSTA) and the Naval Shipyard Long Beach (LBNSY). This project note summarizes the comments received at the meeting and the responses given. Attached is the organization chart for the Installation Restoration (IR) Program at NC Long Beach. Handouts of the presentation materials were provided at the meeting; copies are available on request.

Prior to the TRC meeting, written comments were received from the South Coast Air Quality Management District and California Department of Fish and Game. Both sets of comments pertained primarily to the applicability of specific regulatory requirements. The comments have been forwarded to the legal counsel at Southwest Division, Naval Facilities Engineering Command (SOUTHWESTDIV) and will be considered during the preparation of the Preliminary Evaluation of Potentially Applicable or Relevant and Appropriate Requirements for the final Work Plans.

TRC PRESENTATION

Captain B. Janov, Commanding Officer, LBNSY, opened the meeting. He and Captain J. Jones, Commanding Officer, NAVSTA Long Beach, then reviewed the mission of the NC Long Beach and introduced their staff. General introductions were then made by the TRC members.

Al Hurt/SOUTHWESTDIV discussed the agenda for the meeting and provided an overview of the IR Program and the RI/FS process. Kathy Brewer/CH2M HILL then provided an overview of the Work Plan approach and discussed potential exposure pathways of concern.

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Peter Torrey/CH2M HILL discussed the sampling strategy for three sites included in the Work Plan that are representative of the types of contamination present at the facility:

- o Site 3 - Industrial Waste Disposal Pits
- o Site 7 - Harbor Sediments
- o Site 11 - Hillside East of Drydock 1

Al Hurt then discussed the project schedule and the opportunities for community involvement in the IR process.

Question and answer periods were held after the Work Plan presentation, and after the sampling strategy and schedule presentations. Specific questions and answers are summarized in the following section.

The TRC meeting concluded at approximately 1545 hours.

QUESTIONS AND ANSWERS

Question: How will the residential exposure scenario be used for the RI/FS? - John Christopher/Department of Toxic Substances Control (DTSC)

Answer: The residential exposure scenario was considered, in addition to the industrial exposure scenario, to develop screening criteria for soils for use in the work plan evaluation. Because reuse for the facility has not been defined, both exposure scenarios will be considered for the baseline risk assessment in order to provide the risk managers with sufficient data to make an informed remedial action decision. In general, cleanup levels that would result from a residential use scenario are 5 to 10 times lower than those that result from an industrial exposure scenario. An exception is that for some volatile organic compounds (VOCs) the industrial exposure scenario generates lower cleanup levels due to the consideration of volatiles inhalation during excavation activities. No decision has been made yet as to whether cleanup levels for the facility will be based on a residential or industrial reuse scenario.

Question: Can dredging activities in the harbor potentially increase saltwater intrusion to groundwater in the area? - Bill Schaub/Wilmington resident.

Answer: At this time, the potential impacts of dredging on groundwater in the area has not been evaluated. However, such an evaluation would be part of the FS that would be completed prior to remedial action.

Question: How are potentially contaminated sediments in the harbor being addressed? - Denise Klimas/National Oceanographic and Atmospheric Administration (NOAA).

Answer: The approach for the sediment toxicity evaluation is presented in Appendix D of the NAVSTA Long Beach Work Plan. It includes chemical analysis for contaminants of concern and bioassay and bioaccumulation tests.

Question: What screening criteria are being used for sediments? - Denise Klimas/NOAA



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Answer: There are no regulatory criteria for sediments, and the risk assessment methodology is not well-defined. The screening criteria for sediments are a combination of criteria developed by NOAA, proposed Environmental Protection Agency criteria, and criteria based on research literature. These criteria are discussed and references are provided in Appendix D of the NAVSTA Long Beach Work Plan.

Question: Is the Navy addressing the potential for groundwater contamination in the upper aquifer? Total dissolved solids (TDS) data from the Naval Exchange Gas Station indicates that salinities may be lower than those presented in the Work Plan. - Hugh Marley/Regional Water Quality Control Board-Los Angeles (RWQCB-LA).

Answer: Based on an evaluation of available TDS data from an adjacent property on Terminal Island and on the north side of the Cerritos Channel, it appears that the shallow groundwater in the area has been impacted by saltwater intrusion and that TDS is greater than the 3,000 mg/l defined by the RWQCB as the cut-off for groundwater to be considered a potential source of drinking water. Therefore, a preliminary determination has been made that drinking water quality criteria would not apply to the shallow water bearing zone. However, the Navy is addressing the potential for groundwater contamination in the area as it relates to the surface water discharge pathway. TDS and electrical conductivity data will be collected from wells across the facility during the RI to confirm that the groundwater would not be considered a potential source of drinking water. It is difficult to base such a decision on data that are available from characterization of a small geographic area, such as the Naval Exchange Gas Station, since TDS concentrations near top of the water table can be affected by ponding of precipitation.

Question: Will stratified sediments be collected at Site 3? Bob Kanter/Port of Long Beach

Answer: No, only surface sediment samples will be collected near Site 3. Deeper sediments will be collected at other locations within the main harbor and in the identified depositional areas. The results from these samples will be used to evaluate whether deeper sediments will require remediation.

Question: Have contaminants of concern been identified? Denise Klimas/NOAA

Answer: Contaminants of concern were identified for each site based on the results of the initial evaluation (using the screening criteria) and what is known about the history of the site. The contaminants of concern are listed in Table 4-4 of the Naval and the LBNSY and SAPs. These contaminants of concern were used to guide choice of target analytes for each site.

Question: What is the land use at Site 11? Denise Klimas/NOAA

Answer: Site 11 is currently an open area that is not used. There are parking lots on either side of the site.

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Question: Was a groundwater flow direction assumed for the Work Plan evaluation? - Betsy Mitchell/Port of Los Angeles

Answer: Based on groundwater elevation data obtained during the Site Inspection in 1991, the gradient in the shallow water bearing zone appears to be to the north-northeast under the influence of the dewatering system operating at the Southern California Edison (SCE) Long Beach Generating Station. In the past year, pumping rates have increased for the SCE dewatering system and for the hydrostatic pressure relief system around Drydock 1, both of which could significantly change the groundwater gradient in the area. NC Long Beach is currently conducting monthly water level monitoring in existing wells at the facility. The data will be used to assess the proposed new well locations prior to the commencement of field investigation activities.

Question: In response to the comment that the Navy is trying to shorten the schedule for the IR Program at the facility where possible, are agency review times being reduced? - Denise Klimas/NOAA

Answer: For the Work Plans and for subsequent IR Program deliverables, 60-day review times have been included in the schedule for the agencies. However, as was done for the Work Plans, the Navy is planning on working closely with the agencies during the course of the IR Program planning and implementation so as to minimize revisions to documents and to expedite remedial action decisions.

An additional comment provided by Denise Klimas/NOAA was that the Navy needs to make sure that the all of the applicable Natural Resources Trustees are included on the TRC.

Nonparticipant Distribution

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P. Husted - Code 0231.PH	File - CH2M HILL
K. Reynolds - Code 1841	File - CTO Notebook/PMO
G. Guha - JEG/Pas	
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Attachments

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