

PROJECT NOTE NO. PN-0122-28/PN-0123-28 CLE-C01-01F122-I2-0011/CLE-C01-01F123-I2-0011	PROJECT NO. 01-F122-YS/01-F123-YT
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CONFIRMATION OF:	CONFERENCE TELECOM OTHER	X	DATE HELD DATE ISSUED RECORDED BY PLACE	29 June 1992 6 July 1992 Peter Torrey/CH2M HILL Naval Station Long Beach Building 1 - Long Beach, CA
SUBJECT	Site Inspection Report Briefing Meeting CTO 122 and CTO 123 Naval Station and Naval Shipyard Long Beach Site Inspection			

PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE) (**Nonparticipants)

Andrea Muckerman/Code 1823.AM
 Bryant Wong/CH2M HILL
 Peter Torrey/CH2M HILL
 LCDR John L. Snyder/Naval Station Long Beach
 Yi Hwa Kim/Naval Station Long Beach
 Kathy Van Houten/Naval Station Long Beach
 Jaqueline Walsh/CH2M HILL**

ACTION REQ'D. BY	ITEM
	<p>This meeting was held to brief SOUTHWESTDIV and Long Beach Naval Station and Naval Shipyard personnel on the findings of the Site Inspection (SI) Reports for the Long Beach Naval Station and Shipyard. Representatives of the Naval Shipyard were unable to attend, but A. Muckerman agreed to brief them separately at a later time. The meeting commenced at approximately 1:15 pm.</p> <p>B. Wong and P. Torrey summarized the results and recommendations of the SI Report as follows:</p> <ul style="list-style-type: none"> o Introduction o Objectives of the SI o Criteria for an Observed Release o Site-by-Site Discussion <ul style="list-style-type: none"> - History - Compounds Which Meet the Criteria for an Observed Release - Potential Exposure Pathways o Recommendations <p>A handout was provided and is attached to this note. In addition, the following items were discussed:</p> <ul style="list-style-type: none"> o Explanations for why arsenic met the criteria for an observed release in groundwater samples at the Naval Station were discussed. It was noted that arsenic may occur naturally in groundwater at those levels or may be due to an offsite industrial source. Y. H. Kim stated that rat poison applied to cables at the Naval Complex could be another potential source of arsenic.



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ACTION
REQ'D. BY

ITEM

- o A. Muckerman indicated that a limited Preliminary Assessment (PA) might be conducted on Site 6B, the former DPDO scrapyard, to find records that describe the type and boundaries of disposal activities at the site.
- o Lt. Cdr. J. Snyder stated that the Naval Station is planning to install erosion control around the Mole to prevent further erosion due to wave action. He suggested the installation of an impenetrable barrier during the erosion control project to prevent movement of potential contamination to the West Basin of Long Beach Harbor and San Pedro Bay.

Finally, the format for the Technical Review Committee meeting (TRC) was discussed. A dry run will occur on 27 July 1992 at 2:00 p.m. At the dry run, Captain John Jones and Commander Courtney Kleven will represent the Naval Station and Naval Shipyard, respectively. The TRC meeting will be held in the Ward Room at the Officer's Club on 30 July 1992 at 9:00 a.m. The Jacobs Team will have about one hour to present the findings of the SI Report. A. Muckerman requested that each site be discussed fully (i.e., the history, results and recommendations) before another site is introduced. Between 30 and 40 people will probably attend the TRC meeting. The TRC meeting may be controversial because of the closure of the Naval Station.

A. Muckerman requested 30 additional copies of both the Naval Station SI Report, Volume 1, and the Naval Shipyard SI Report, Volume 1. SOUTHWESTDIV will issue a memo stating that these copies are in addition to those requested in the Statement of Work.

The meeting concluded at approximately 3:15 p.m.

AGENDA

BRIEFING OF THE DRAFT SITE INSPECTION REPORT

NAVAL COMPLEX LONG BEACH

June 29, 1992

Introductory Remarks

Objectives of the SI

Data Evaluation Process

Site-by-site Discussions

- o History
- o Data Evaluation Comparison to Criteria for an Observed Release
- o Potential Pathways and Targets

Recommendations

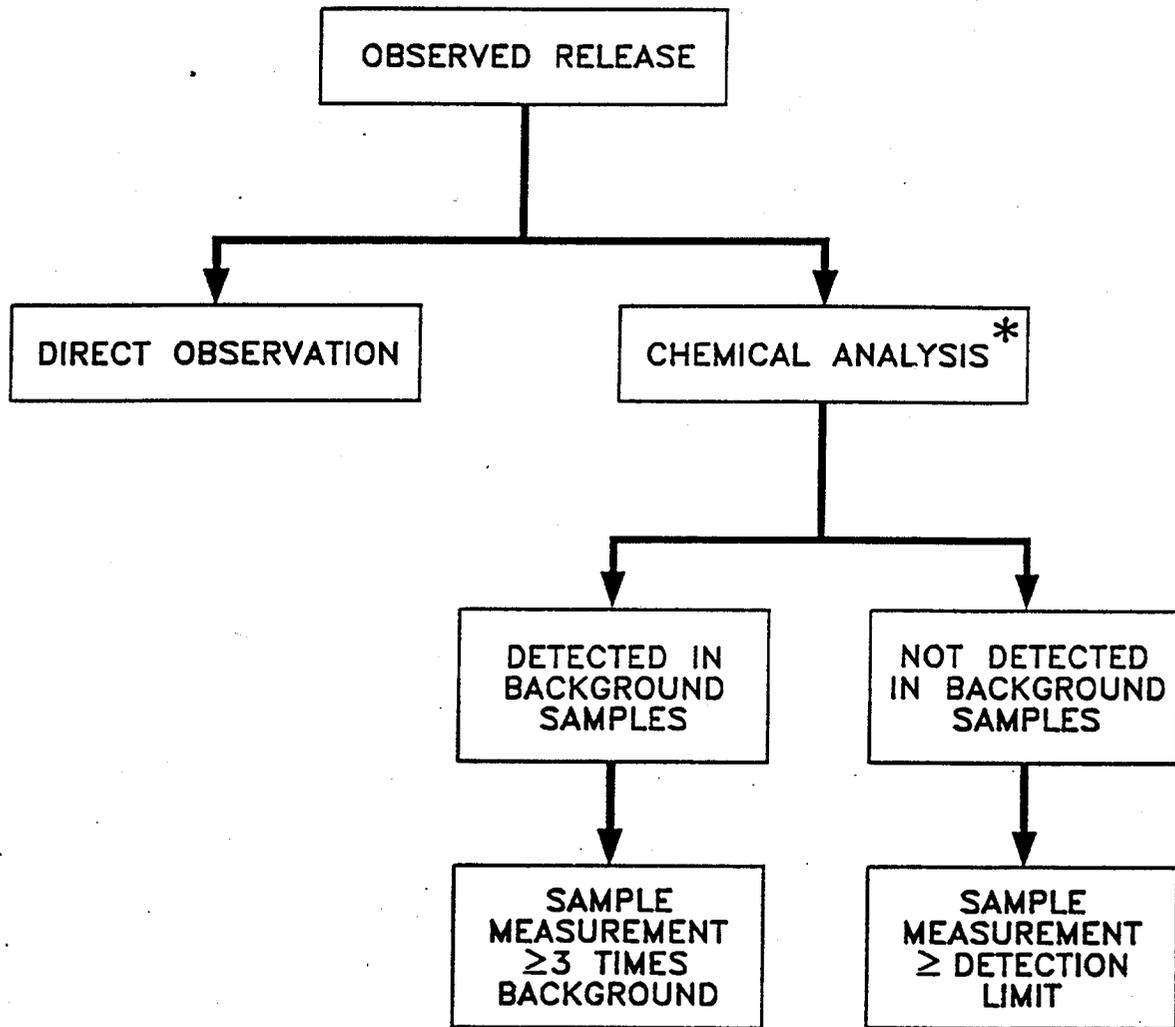
OBJECTIVES OF THE SITE INSPECTION

- o Verify the nature of hazardous substances contamination at each site as identified in the previous step of investigation, the IAS

(Note: It is not to assess the extent and magnitude of contamination)

- o Assess whether contamination exists that warrants further action
- o Evaluate potential contamination migration pathways and potential targets for scoring under the HRS

CRITERIA FOR ESTABLISHING AN OBSERVED RELEASE



* NOTE: RELEASE MUST BE ATTRIBUTABLE TO PAST DISPOSAL ACTIVITY

**Table 4-1
Potentially Contaminated Hazardous Waste Disposal Sites
Identified by the Initial Assessment Study
Naval Station Long Beach**

Site No.	Site Name	Wastes Disposed
1 and 2	Mole Solid Waste Operations and Chemical Material and Waste Storage Area	Construction Debris, Boxes, Paints, Waste Oil, Raw Chemicals, Asbestos, Acids, Solvents, Chromic Acid
3	Industrial Waste Disposal Pits	Waste Oils, Caustic Wastes, Acidic Wastes, Sludges, Trash
4	Mole Extension Operations	Construction Debris, Sandblast Grit, Petroleum Products, Asbestos, Trash, Soil
5	Skeet Range Solid Waste Fill Area	Bed Frames, Desks, Solid Waste, Construction Debris
6	Boat Disposal Location	Sandblast Grit, Old Boats, Waste Oil, Solid Waste,
7A	Harbor Sediments Around the Naval Station	Boiler Blow-down, Rust Preventative, Lead Caulking Material, Solvents, PCBs, Acids, Waste Oil, Grease

**Table 4-1
Potentially Contaminated Hazardous Waste Sites
Identified by the Initial Assessment Study
Naval Shipyard Long Beach**

Site No.	Site Name	Wastes Disposed
Site 7B	Harbor Sediments Around the Naval Shipyard	Boiler Blow-down, Rust Preventative, Lead Caulking Material, Solvents, PCBs, Acids, Waste Oil, Grease
Site 8	Building 210 Trichloroethene (TCE) Disposal Site	Trichloroethene
Site 9	Building 129 Ground Floor Spills	Oils, Grease, Solvents, Trichloro- ethene, Cosmoline, Paint,
Site 10	Lot H Past Operations	Batteries, Sandblast Grit, Battery Acid, Waste Oil, Solvents, Mercury
Site 11	Hillside East of Drydock 1	Sandblast Grit, Cuprous Oxide,
Site 12	Parking Lot X Toxic Sandblast Disposal	Sandblast Grit, Tributyltin, Solvents, Petroleum Products, Paints, Trichloro- ethene, Stoddard Solvent,

**Table 6-21
Pathways Summary for Sites at the
Naval Station Long Beach**

Site	Groundwater Pathway	Soil Exposure Pathway	Surface Water Pathway	Air Pathway
1 and 2	Observed Release (OR) established, but migration of contaminants to nearest drinking water wells is unlikely.	Area of Observed Contamination (AOC) established.	OR not established, but potential for release exists.	OR not established, and potential for release is unlikely.
3	OR established, but migration of contaminants to nearest drinking water wells is unlikely.	AOC established.	OR not established, but potential for release exists.	OR not established, and potential for release is unlikely.
4	OR apparently established, but compounds detected may not be attributable to reported past disposal practices.	AOC not established, but not conclusive.	OR not established, but not conclusive.	OR not established, and potential for release is unlikely.
5	OR apparently established, but compounds detected may not be attributable to reported past disposal practices.	AOC apparently established, but compounds detected may not be attributable to reported past disposal practices.	OR not established, but not conclusive.	OR not established, and potential for release is unlikely.
6	OR established, but migration of contaminants to nearest drinking water wells is unlikely.	AOC established.	OR not established, but potential for release exists.	OR not established, but potential for release exists.
7A	OR not established, and potential for release is unlikely.	AOC established for sediments.	OR established.	OR not established, and potential for release is unlikely.

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Table 6-19 Pathways Summary for Sites at the Naval Shipyard Long Beach				
Site	Groundwater Pathway	Soil Explosive Pathway	Surface Water Pathway	Air Pathway
7B	Observed Release (OR) not established, and potential for release is unlikely.	Area of Observed Contamination (AOC) for sediments established.	OR established.	OR not established, and potential for release is unlikely.
8	OR not established, and potential for release is unlikely.	AOC not established, but not conclusive.	OR not established, but not conclusive.	OR not established, and potential for release is unlikely.
9	OR established, but migration of contaminants to nearest drinking water wells is unlikely	AOC not established.	OR not established, but potential for release exists.	OR not established, and potential for release is unlikely.
10	OR established, but migration of contaminants to nearest drinking water wells is unlikely	AOC not established.	OR not established, but potential for release exists.	OR not established, and potential for release is unlikely.
11	OR not established, but potential for release exists; migration of contaminants to nearest drinking water wells is unlikely.	AOC established.	OR not established, but potential for release exists.	OR established.
12	OR apparently established, but migration of contaminants to nearest drinking water wells is unlikely.	AOC established for former drum-crushing operations, but not established for tributyltin, disposal.	OR not established. Potential for release exists for drum crushing operations. Potential for release less likely for tributyltin disposal.	OR not established. Potential for release exists for drum crushing operations. Potential for release less likely for tributyltin disposal.

SUMMARY OF RECOMMENDATIONS

General Recommendations

- o Establish the range of background values for metals in soil and groundwater
- o Assess contamination in surface soils
- o Verify the groundwater gradient across the sites
- o Further assess the vertical and areal extent and rate of migration of soil and groundwater contamination
- o Assess the impact of contaminants on potential targets

Sites 1 & 2 -- Further investigation under CERCLA including:

- o Verify the extent of reported disposal areas and trenches
- o Verify the absence or presence of acetone, 2-butanone, and toluene as environmental contaminants

Site 3 -- Further investigation under CERCLA including:

- o Verify the absence or presence of acetone (in groundwater) and 2-butanone as environmental contaminants

Site 4 -- Further investigation to confirm that NFA is appropriate at the site under CERCLA including:

- o Develop and conduct an appropriate statistical sampling plan to support NFA
- o Verify the waste disposal boundaries
- o Verify the presence of acetone, toluene, and 2-butanone attributable to the site

Site 5 -- Additional sampling to verify that site remediation is required including:

- o Develop and conduct an appropriate statistical sampling to support a decision of whether further action is required
- o Verify the presence of acetone, toluene, 2-butanone, TRPH, and metals are attributable to the site

Site 6 -- Further investigation under CERCLA including:

- o Verify the boundaries of waste disposal
- o Verify the absence or presence of acetone, toluene, and bis(2-ethylhexyl)phthalate as environmental contaminants
- o Assess the potential for toxics release to the atmosphere
- o Limit public access to the site

Site 7 -- Further investigation under CERCLA including:

- o Search the U.S. Army Corps of Engineers files for dredging information and sediment transport models of West Basin of Long Beach
- o Coordinate future dredging activities with SOUTHWESTDIV
- o Assess whether contaminated sediments are affecting water quality
- o Verify the absence or presence of acetone as an environmental contaminant

Site 8 -- Further investigation to confirm that NFA is appropriate at the site under CERCLA including:

- o Conduct a soil gas survey to assess whether TCE is present in the soil or shallow groundwater
- o Verify the absence or presence of acetone, toluene, and 2-butanone as environmental contaminants

Site 9 -- Further investigation under CERCLA including:

- o Assess the impact of the hydrostatic relief system on the local groundwater gradient. Sample the discharge from the hydrostatic relief system to assess whether contaminants are being drawn by the wells
- o Verify the absence or presence of acetone, toluene, and phthalates as environmental contaminants

Site 10 -- Further action under CERCLA including:

- o Verify the areal extent of the former scrapyard at Site 10
- o Assess the impact of the hydrostatic relief system on the local groundwater gradient. Sample the discharge from the hydrostatic relief system to assess whether contaminants are being drawn by the wells
- o Verify the absence or presence of acetone and toluene as environmental contaminants.

Site 11 -- Further investigation under CERCLA including:

- o Sample stormwater runoff
- o Verify the volume of sandblast material
- o Install a temporary cover to minimize airborne migration and runoff potential
- o Assess the impact of the hydrostatic relief system on the local groundwater gradient. Sample the discharge from the hydrostatic relief system to assess whether contaminants are being drawn by the wells

Site 12 -- Further action under CERCLA including:

- o Secure the existing fence surrounding the former drum crushing operation**
- o Verify the disposal location of the sandblasting waste**
- o Sample the storm water runoff to assess migration potential**
- o Verify the absence or presence of toluene, acetone, and 2-butanone as environmental contaminants**