



DEPARTMENT OF THE NAVY  
SOUTHWEST DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
ENVIRONMENTAL DIVISION  
1220 PACIFIC HIGHWAY, RM 18  
SAN DIEGO, CALIFORNIA 92132-5181

N60258.000251  
NSY LONG BEACH  
SSIC #5090.3

5090  
Ser 1823.AM/ 2109  
28 Aug 92

From: Commanding Officer, Southwest Division, Naval Facilities Engineering Command  
To: Commander, Long Beach Naval Shipyard (Code 106)  
Subj: FOLLOW-UP TO TECHNICAL REVIEW COMMITTEE MEETING OF 30 JUL 92  
Ref: (a) Technical Review Committee Meeting of 30 Jul 92 for Long Beach Naval Shipyard and Naval Station Long Beach  
Encl: (1) Meeting Minutes for Reference (a)  
(2) Department of Toxic Substance Control ltr of 14 Aug 92  
(3) Department of Fish and Game ltr of 27 Jul 92  
(4) Preliminary Comments from Port of Long Beach of 29 Jul 92

1. This letter is in response to the Technical Review Committee (TRC) meeting held per reference (a). The minutes of this meeting are contained in enclosure (1).
2. Enclosure (2) are comments by the Department of Toxic Substance Control Public (DTSC) Participation group about the TRC and recommendations for future TRC meetings. Their recommendations should be considered when planning for the next TRC.
3. Enclosures (3) and (4) are included for your information, and are the only comments received to date on the Site Inspection and RCRA Facility Investigation reports. No comments have been received from DTSC or the Regional Water Quality Control Board to date.
4. The TRC meeting minutes should be sent to all attendees as soon as possible, with a cover letter from both LBNSY and NAVSTA, LB on double letterhead.
5. For further information or clarification please contact Andrea Muckerman, Code 1823.AM, (619) 532-1250 (DSN 522-1250).

*Andrea Muckerman*  
ANDREA MUCKERMAN  
By direction

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NSY LONG BEACH  
SSIC # 5090.3

ENCLOSURE (1)  
MEETING MINUTES FOR TECHNICAL REVIEW  
COMMITTEE MEETING OF 30 JUL 92

FOLLOW-UP TO TECHNICAL REVIEW  
COMMITTEE MEETING

DATED 28 AUG 1992

PROJECT NOTE NO.		PROJECT NO.	
PN-0122-29		01-F122-YS	
PN-0123-29		01-F123-YS	
CLE-C01-01F122/123-I2-0012			
CONFIRMATION OF:	CONFERENCE	DATE HELD	30 July 1992
	TELECOM	X	DATE ISSUED
	OTHER		18 August 1992
		RECORDED BY	Peter Torrey/CH2M HILL
		PLACE	Naval Station Long Beach
SUBJECT			
Technical Review Committee Meeting, CTO 122 and CTO 123 Naval Station and Naval Shipyard Long Beach Site Inspection			
PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)			
See attached.			
ACTION REQ'D. BY	ITEM		
	<p>This project note summarizes the contents of the first Technical Review Committee (TRC) meeting convened for the Naval Station and Naval Shipyard Long Beach. Specifically, this TRC meeting was held to establish the charter of the TRC, to brief members on the findings of the Draft Site Inspection (SI) Reports for the Long Beach Naval Station and Naval Shipyard, and to brief members on the findings of the Draft RFI Report for the Tank Farm Area near Building 303. The meeting commenced at approximately 9:00 am. A handout was provided and it is attached to this note.</p> <p>Captain B. Janov, Commanding Officer, Long Beach Naval Shipyard, opened the meeting and discussed the following:</p> <ul style="list-style-type: none"> <li>o Meeting format</li> <li>o Agenda</li> <li>o Purpose of the TRC meeting</li> <li>o TRC charter</li> </ul> <p>Captain J. Jones, Commanding Officer, Long Beach Naval Station, and Captain Janov introduced their staffs. A. Muckerman/SOUTHWESTDIV described the mission of SOUTHWESTDIV, introduced the contractors present from the Jacobs Engineering Group (JEG) Team, and briefly reviewed the history of Installation Restoration (IR) activities at the Naval Complex Long Beach.</p> <p>B. Wong/CH2M HILL summarized the results and recommendations of the Draft SI Reports, using the following outline:</p> <ul style="list-style-type: none"> <li>o Objectives of the SI</li> <li>o Data evaluation process</li> </ul>		

PROJECT NOTE NO.	PROJECT NO.
PN-0122-29	01-F122-Y
PN-0123-29	01-F123-Y
CLE-C01-01F122/123-I2-0012	

ACTION  
REQ'D. BY

ITEM

- o Naval Station site-by-site discussion
  - History
  - Data evaluation/results
  - Recommendations
- o Naval Shipyard site-by-site discussion
  - History
  - Data evaluation/results
  - Recommendations

The potential waste disposal sites included in the Draft SI Report for the Naval Station are:

- o Sites 1 and 2 - Mole Solid Waste Operations and Chemical Material and Waste Storage Area
- o Site 3 - Industrial Waste Disposal Pits
- o Site 4 - Mole Extension Operations
- o Site 5 - Skeet Range Solid Waste Fill Area
- o Site 6 - Boat Disposal Location
- o Site 7A - Harbor Sediments Around the Naval Station

The potential waste disposal sites included in the Draft SI Report for the Naval Shipyard are:

- o Site 7B - Harbor Sediments Around the Naval Shipyard
- o Site 8 - Building 210 Trichloroethene Disposal Site
- o Site 9 - Building 129 Ground Floor Spills
- o Site 10 - Lot H Past Operations
- o Site 11 - Hillside East of Drydock 1
- o Site 12 - Parking Lot X Toxic Sandblast Disposal

Question and answer periods were held after the results were presented for each facility (i.e., the Naval Station and Naval Shipyard). Specific questions and answers are summarized below.

G. Guha/JEG reviewed the results of the Resource Conservation and Recovery Act (RCRA) Facility Investigation conducted at Site 13, Tank Farm Area near Building 303. A. Muckerman presented a preliminary schedule for further remedial activities at the 13 sites at the Naval Complex Long Beach. The next TRC meeting is likely to occur in the first quarter (calendar year) of 1993. In conclusion, A. Muckerman requested that comments on the SI Reports be submitted to her by 7 August 1992. J. Zarnoch stated it will be another month before DTSC comments are submitted.

The TRC meeting concluded at approximately 11:45 am.

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**Questions and Answers**

**Question:** Why are the IR activities following the requirements of both RCRA and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)?  
- Kristen Anderson/DTSC

**Answer:** CERCLA is being followed because the IR program was established under CERCLA to investigate and clean up hazardous waste sites. The Navy policy is to conduct IR activities consistent with CERCLA so that separate programs are not implemented from state to state. RCRA is also being followed because the Naval Shipyard has a RCRA permit that requires the Navy to investigate the 13 potential hazardous waste disposal sites; the DTSC is the lead agency.

**Question:** What is the big picture and how does this meeting fit in? - Kristen Anderson/DTSC

**Answer:** Under CERCLA, the first step in remediating hazardous waste sites is the Preliminary Assessment, which the Navy completed with the Initial Assessment Study (IAS). Currently, the Navy is completing the second step, the Site Inspection. Subsequent steps include the Remedial Investigation/Feasibility Study (RI/FS) and Remedial Design/Remedial Action (RD/RA). TRC meetings will be held throughout the process to allow for input from the members concerning response activities at the Naval Complex Long Beach.

**Question:** How is an observed release defined?

**Answer:** Following EPA guidance, an observed release is established by observing a compound in the media or by chemical analysis of samples. When establishing an observed release by chemical analysis, the sample concentration must be greater than 3 times the concentration detected in background or, if not detected in background samples, the sample concentration must be greater than detection limits.

**Question:** How are background sampling locations selected? - Betsy Mitchell/Port of Los Angeles

**Answer:** Background samples were collected from residential or office areas on the Naval Station. Based on the results of the IAS, no reported industrial or disposal activities have occurred in these areas. These locations were carefully selected in order to obtain background samples close enough to the disposal areas so that the samples are representative of the media types at those areas of interest, yet, far enough removed so that the samples are collected from uncontaminated areas.

**Question:** Can background samples be collected off the Naval Complex? - Tom Johnson/Port of Long Beach

**Answer:** Background samples were collected at the Naval Station so that they would be relatively close and geologically similar to environmental samples. Collection of background samples from offsite locations are generally not preferred because the historic land uses of such locations are less certain and it is unlikely nearby that landowners would allow the collection of samples for chemical analysis.

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	<p><b>Comment:</b> The DTSC is evaluating the SI background sampling locations. - Joe Zarnoch/DTSC</p> <p><b>Question:</b> A live shell was found unexpectedly during an investigation at a nearby scrapyard. How do we know whether similar materials are present at locations other than the 13 sites at the Naval Complex? - Claire Randall/Los Angeles Harbor Boat Owners</p> <p><b>Answer:</b> The Navy is also concerned about this. In the next phase, the Remedial Investigation, samples will be collected to assess the extent and magnitude of contamination.</p> <p><b>Question:</b> What is Site 6B? - Joe Zarnoch/DTSC</p> <p><b>Answer:</b> It is not a site yet. Some Navy records indicate the area west of the current Site 6 was used as a scrapyard. A preliminary assessment (a records search of historical documents) will be conducted to identify what, if anything, was disposed there.</p> <p><b>Comment:</b> I was surprised to see that lead sulfate from discarded batteries was not detected at Site 10, Lot H Past Operations. - Joe Zarnoch/DTSC</p> <p><b>Answer:</b> Sampling locations were carefully selected at Site 10. Interviews with former employees and aerial photography were used to delineate the boundaries of the site. Because Site 10 was used as a scrapyard, it was deduced that much of the scrap and batteries would have been placed along the outer fence. Therefore, four sampling locations were selected near the former outer boundaries and one was selected in the middle.</p> <p><b>Question:</b> What is the criteria for "No Further Action"? When are there no further investigations? - Tom Johnson/Port of Long Beach</p> <p><b>Answer:</b> "No Further Action" is cooperatively established between the lead regulatory agency (DTSC in this case) and the Navy. Investigations are complete at a site when the DTSC determines the site has been sufficiently characterized.</p> <p><b>Comment:</b> There may be sites where the DTSC feels that no further action should be taken. The DTSC will determine this during the review of the SI Report. - Joe Zarnoch/DTSC</p> <p><b>Question:</b> What coordination is taking place between those investigating Site 13 (JEG) and those investigating Sites 1-12 (CH2M HILL)? - Craig O'Rourke/DTSC</p> <p><b>Answer:</b> JEG and CH2M HILL are both contractors for the Navy CLEAN program; JEG is the prime contractor.</p> <p><b>Question:</b> To whom do we submit the comments on the SI Report? - Kristen Anderson/DTSC</p> <p><b>Answer:</b> Andrea Muckerman/SOUTHWESTDIV</p>

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**Question:** Eight months seems like a long time to investigate the old scrapyard area west of Site 6. Can this area be included in the investigation of the current Site 6? - Betsy Mitchell/Port of Los Angeles

**Answer:** The Navy will consider incorporating the area into the current Site 6.

**Question:** Was the Naval Supply Center Detachment (NSCD) included in the IAS? - Tom Johnson/Port of Long Beach

**Answer:** The NSCD was included in the IAS, but no potential hazardous waste sites were identified.

**Comment:** The DTSC should complete the review of the SI Report in about a month. If remedial actions are to be taken at Site 11, the Navy may want to consider a permanent remedy such as removal of the sand blast grit instead of temporarily covering the site. - Joe Zarnoch/DTSC

**Attendees**

- K. Anderson/DTSC
- G. Guha/JEG
- T. Johnson/Port of Long Beach
- B. Mitchell/Port of Los Angeles
- R. Nitsos/Department of Fish and Game
- M. Pumford/Regional Water Quality Control Board
- C. Randall/LA Harbor Boat Owners
- P. Torrey/CH2M HILL
- B. Wong/CH2M HILL
- Y. Yap/JEG
- M. Murchison/County of LA
- J. Zarnoch/DTSC
- J. Ryan/NSY Long Beach Public Affairs Office
- Capt. B. Janov/Commander NSY Long Beach
- Capt. I.J. Jones/Commanding Officer NAVSTA Long Beach
- Lt. S. Lewis/NAVSTA Long Beach Legal Department
- A. Muckerman/SOUTHWESTDIV
- Y. Kim/NAVSTA Long Beach Facilities Management Dept.
- W. Fisher/SOUTHWESTDIV Natural Resources
- CDR C. Kleven/NSY Long Beach Public Works Office
- F. Aljabi/SOUTHWESTDIV
- R.E. Tracey, Jr./NAVSTA Long Beach
- S. Pinn/NSY Long Beach Counsel
- C. O'Rourke/DTSC
- D. Baillie/NSY Long Beach Environmental Division
- D. Hamilton/NSY Long Beach Environmental Division
- J. Duensing/City of LB Community Development Dept.
- LCDR J.L. Snyder/NAVSTA Long Beach Facilities Management Dept.
- C. Sandel/City of LB Dept. of Health & Human Services
- K. Van Houten/NAVSTA Long Beach Facilities Management Dept.
- T. Teofilo/City of LB Economic Development Commission



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T. Teofilo/City of LB Economic Development Commission  
LCDR S. Chesser/Commander, Naval Surface Group  
K. Masden/NSY Long Beach Environmental Division

**Non-Attendees**

File - CTO Notebook/PMO File - PMO  
File - CTO Notebook/Pas File - CH2M HILL  
File - PAS

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ENCLOSURE (2)  
DEPARTMENT OF TOXIC SUBSTANCE  
CONTROL LTR OF 14 AUG 92

FOLLOW-UP TO TECHNICAL REVIEW  
COMMITTEE MEETING

DATED 28 AUG 1992

**DEPARTMENT OF TOXIC SUBSTANCES CONTROL**

Region 4  
245 West Broadway, Suite 350  
Long Beach, CA 90802-4444  
(714) 590-4868



August 14, 1992

Ms. Andrea Muckerman (Code 1823.AM)  
Southwest Division, NAVFACENGCOCM  
1220 Pacific Highway  
San Diego, California 92132

Dear Andrea:

**LONG BEACH NAVAL SHIPYARD/NAVAL STATION LONG BEACH TRC FOLLOW-UP**

This is to follow up on the July Technical Review Committee (TRC) Meeting for Long Beach Naval Shipyard/Naval Station Long Beach. The TRC seems to be off to a good start. In general, I feel that everything went well. The meeting was well attended, the facilities were comfortable, the presentations informative and provided the appropriate level of detail and the handouts were helpful and clear. I look forward to building on this good start to create a productive forum for local input into our site investigation and remediation process at the bases.

I wanted to take this opportunity to share some suggestions which I hope you will consider for future TRC meetings. As we discussed during the meeting, questions and answers should be allowed between each presentation because of the detailed, technical nature of the material being presented. It can be very frustrating to want clarification on a point made and have to hold the question for an hour or two. This also allows for interjection of other relevant information by TRC members during the course of the presentations. It has been my experience that this type of meeting structure will encourage discussion and input at the relevant moment and will result in a mutually-beneficial exchange of information. Of course, it is not my intent that the meeting become bogged down at any one point by this format. Questions should be limited to 10 minutes or so after each presentation and be focused on that topic. Questions about an issue which will be covered later during the meeting should be deferred until the appropriate time on the agenda. Extended discussion on the preceding segment should be postponed until after the other presentations are completed unless the discussion is felt to be more important than the remaining agenda items. The meeting facilitator should use their discretion in managing the discussion portions of the meeting.

One other way to keep the question and answer sessions from becoming bogged down is to hold remedial project manager meetings prior to the TRC. This has proven very effective at other bases.



Ms. Andrea Muckerman

August 14, 1992

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Whenever presenting complex information, it is important to step back and present the big picture before plunging into the details. This is something we commonly forget to do when closely involved with an issue. At the next TRC meeting I think it would be very helpful to explain the overall site investigation and cleanup process including risk assessment, public participation, operable units, interim remedial actions, funding and other aspects which the TRC will be exposed to during the course of the project. An overview of the roles of Southwest Div, regulatory agencies, contractors, etc could also be provided. This information will provide the group with the context necessary to understand the reasons for the technical information being presented and project objectives. In addition, you may want to consider showing slides of the sites or offering a site tour at the meeting.

As for the timing of the meetings, we have found that it is best to schedule them quarterly to ensure they are held on a regular basis. There is usually plenty to cover. On the few occasions when there is nothing new, then it may be appropriate to cancel. However, with all the general information we need to share with the TRC I think there is a real need to hold a meeting this fall. In fact, I think we would be hard-pressed to cover the process, schedule and other intricacies of the project along with a major workplan in January.

Finally, could you please send us a copy of the meeting sign-in sheet so that we can provide the meeting participants with our comments on the documents under review. Also, you may want to call some of the local organizations that did not respond to the TRC invitation to make sure that they are not interested in participating before dropping their names from the TRC mailing list. (Their names should be added to the general project mailing list so that they, at least, receive basic project updates.)

Once again, thanks for getting the committee off to a great start. Please give me a call (310)590-4991 if you would like to discuss any of my comments in greater detail.

Sincerely,



Kristin S. Andersen  
Public Participation Specialist

cc: See next page

Ms. Andrea Muckerman

August 14, 1992

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Mr. Joe Zarnoch

Remedial Project Manager

Mr. Mark R. Pumford

Regional Water Quality Control Board

101 Centre Plaza Drive

Monterey Park, California 91754

Mr. Mark R. Pumford

Regional Water Quality Control Board

101 Centre Plaza Drive

Monterey Park, California 91754

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ENCLOSURE (3)  
DEPARTMENT OF FISH AND GAME LTR  
OF 27 JULY 92

FOLLOW-UP TO TECHNICAL REVIEW  
COMMITTEE MEETING

DATED 28 AUG 1992

## DEPARTMENT OF FISH AND GAME

1416 NINTH STREET

P.O. BOX 944209

SACRAMENTO, CA 94244-2090

(916) 653-4875

July 27, 1992

Ms. Andrea Muckerman (Code 1823.AM)  
Southwest Division, NAVFACENGCOM  
1220 Pacific Highway  
San Diego, California 92132

Dear Ms. Muckerman:

Department of Fish and Game personnel have reviewed the Draft Site Inspection Reports for Naval Station Long Beach and the Long Beach Naval Shipyard. The documents provide the results of soil, groundwater, and sediment sampling at thirteen potentially contaminated sites to verify the presence of hazardous substances contamination at each site, assess if contamination at each site exists and evaluate potential contaminant migration pathways and potential targets.

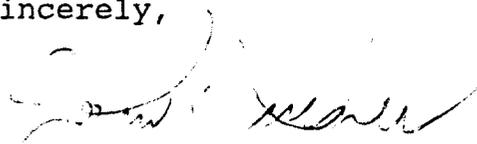
The documents provide an analysis of sample data which identified nine sites as having a release of hazardous substances which confirms suspected contamination based upon reported disposal activities. Evidence of an observed release was not established at two of the sites, however, additional investigation of these site is recommended to confirm the initial results. The remaining two sites evaluations established a release of hazardous substances; however, in one case, the substance cannot conclusively be attributed to the site while a release associated with only one of two disposal activities could be identified.

The analysis of sampling data and the characterization of each site with respect to an observed release of hazardous substances appears to be adequate and should provide a basis for additional investigations as recommended in the Draft Site Inspection Report documents. The delineation of contaminated areas and development of a restoration program to isolate and remove identified contaminants, especially from marine sediments and areas which could contribute to the continued input of hazardous substances to marine waters and sediments would benefit existing marine resources and habitats as well as improve terrestrial sites for wildlife. In this regard, we support a continued effort to restore contaminated sites within the Long Beach Naval Station and Long Beach Naval Shipyard.

Ms. Andrea Muckerman  
July 27, 1992  
Page Two

Should you have any questions, please contact Mr. Richard Nitsos, Environmental Specialist III, Environmental Services Division, Department of Fish and Game, 330 Golden Shore, Suite 50, Long Beach, California 90802, telephone (310) 590-5174.

Sincerely,

A handwritten signature in dark ink, appearing to read "John L. Turner", is written over a faint circular stamp or watermark.

John L. Turner, Acting Chief  
Environmental Services Division

cc: Mr. Richard Nitsos, ESD-Long Beach

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SSIC # 5090.3

ENCLOSURE (4)  
PRELIMINARY COMMENTS FROM PORT OF  
LONG BEACH OF 29 JUL 92

FOLLOW-UP TO TECHNICAL REVIEW  
COMMITTEE MEETING

DATED 28 AUG 1992

## NAVAL STATION LONG BEACH

Installation Restoration Program - Draft Site Inspection Report (Vol. 1)

Port of Long Beach Preliminary Comments

July 29, 1992

The Port of Long Beach has relatively few comments on the site inspection study, which appears in general to have been carefully designed and conducted. We offer several specific comments for the study team to consider in the preparation of the final document, and some thoughts on the overall focus of the restoration program as a whole.

The selection of sites for the characterization of "background" chemical concentrations at the NC Long Beach is inadequately justified in the document. No doubt the sites were designated in the work plan according to prior knowledge of the area. Given the widespread contamination that exists on the Naval Station, however, the average reader needs more assurance that the "background" samples do not, in fact, represent contaminated conditions.

The draft document's treatment of groundwater in the study area is incomplete in two respects. First, the groundwater underlying the harbor area, inland beyond Anaheim Street, is not potable. The document implies this by referring in one place to saline intrusion and in others to the lack of "beneficial uses" of groundwater. However, explicit statements of non-potability are necessary in sections 3 and 6 to ensure that readers not familiar with the area do not infer a potential beneficial use where none exists.

Second, the report does not describe the Dominguez Gap Barrier water injection project and its dominating effect on groundwater movement at least as far down as the Gaspur zone. Any discussion of transport and fate of contaminants via groundwater must take this factor into account. In our view, the possibility that shallow groundwater contamination within the harbor area could affect drinking water supplies is extremely remote as long as the Dominguez Gap project is in operation. Thus, the mere mention of drinking water supplies in connection with near-surface contamination on the NC Long Beach, especially at Sites 1-4, may be inappropriate.

The tables of results presented in section 6 are difficult to use for the reader not trained in interpreting chemical analytical results. Specifically, the presence of numerous values modified by three similar annotations (U, J, B) makes it virtually impossible to determine the significance of the results. Most of the values, including many that appear large, are actually equivalent to "undetected" or "trace - unquantifiable". The correct presentation of analytical data is an admittedly difficult problem, but in the case of tables meant for broad review and decision-making, such as the ones in section 6, some simplification in the interests of clarity is advisable.

The summary table (Table 6-9) is flawed by the difficulty of determining what the "screening value" means and how it is used -- a large footnote on each page of the table would help.

Finally, we suggest that future phases of this investigation incorporate realistic appraisals of the potential risks posed by the observed levels and sites of contamination, and allocate resources accordingly. For example, devoting additional resources to more investigations of groundwater movements at the sites along the Navy Mole (1-4), as recommended by the document, does not appear justified because the only credible exposure pathways at those sites are through soil and surface waters. If it is necessary to confirm the groundwater gradient, it is likely that a one-site study will serve for all four sites. The document recommends more chemical sampling at Site 4 despite the apparently minimal contamination and its isolation from humans and sensitive environments. Is this really justified?

The investigations will be long and costly. Since resources will not be unlimited, it would be prudent to give the investigation a practical focus. The project manager and the Technical Review Committee should consider limiting needless investigations to the maximum extent that is prudent and permissible.