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From: Commander, Western Division, Naval Facilities Engineering Command  
To: Distribution

Subj: TECHNICAL REVIEW COMMITTEE (TRC) MEETING  
NAVAL STATION TREASURE ISLAND, HUNTERS POINT ANNEX

Encl: (1) Summary of 29 January 92 Subject Meeting

1. In accordance with the Remedial Action Order (Docket No. HSA87/88-134RA) for Naval Station, Treasure Island, Hunters Point Annex, enclosure (1) is forwarded for your review and comment.
2. Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Naval Facilities Engineering Command (Attn: Raymond K. Chiang, Code 1811RC, (415) 244-2554).

Original signed by:

MICHAEL A. MIGUEL  
By direction

Distribution:

U.S. Environmental Protection Agency (Attn: Roberta Blank)(w/2 sets. of encl.)  
Department of Toxic Substances Control (Attn: Bonnie Arthur)(w/2 sets. of encl.)  
Regional Water Quality Control Board (Attn: Barbara Smith)

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National Oceanic & Atmospheric Administration (Attn: Mike Buchman)  
Hunters Point Technical Review Committee Public Member (Attn: Rev. Arelious Walker)  
City and County of San Francisco (Attn: David Wells)  
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Bay Conservation and Development Commission (Attn.: Nancy Wakeman)  
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(w/encl) Admin. Record (4 copies), 1811, 1811RC, 1811MK, 09CPB, 24  
COMNAVBASE S.F., OIC Treasure Island, HPA, NAVSTA Treasure Island,  
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FILE; Treasure IS/HPA



**TECHNICAL REVIEW COMMITTEE MEETING SUMMARY  
HUNTERS POINT ANNEX, SAN FRANCISCO, CALIFORNIA**

**DATE OF MEETING: JANUARY 29, 1992**

**Attendees:** See attached

**Agenda:** See attached

**General Announcements:**

Captain Gallagher was introduced as the new commanding officer of the naval station. Raymond Chiang was introduced as the new Navy Remedial Project Manager (RPM), replacing Richard Powell. Lt. Cheryl Valdivieso is the new Officer-in-Charge of HPA. She replaces Mr. Westermeyer.

The representatives of Bechtel requested that Bechtel be included on the distribution list for the TRC meeting agenda.

**I. Approval of Minutes of Last Meeting:**

Minutes of the last meeting were approved by all parties present.

**II. Federal Facility Agreement/Technical Assistance Grant:**

The agencies informed the attendees that the FFA was signed a few weeks ago by all parties involved. EPA will distribute the signed copies to the DTSC, RWQCB, and the Navy. The Navy will provide updates to the rest of the agencies that are on the standard HPA distribution list.

The EPA is still evaluating the applications for Technical Assistance Grant.

It was agreed by all parties that OUV as defined in the current FFA is no longer valid because the preliminary assessment activities (PA) have identified new IR sites. Appendix A of the FFA was referenced for OUV's definition. The RPMs agreed to meet on February 21, 1992 at 9:30 a.m. at the DTSC office in Emeryville to discuss alternatives regarding the definition of OUV.

**III. Fencing:**

The Navy discussed the access procedure to sites behind the locked fences at HPA. For the sake of security, the gates in the fence will be kept locked. Visitors with approved access to HPA and seeking access to the fenced sites should contact the Officer-in-charge (OIC), Lt. Cheryl Valdivieso at (415) 822-3113.

The regulatory agencies informed the attendees that they will continue following their respective health and safety plans while conducting site visits.

**ENCLOSURE ( 1 )**

**IV. Removal Action Status Report:**

1. **Tank S-505:** The contract for performing removal of Tank S-505 has already been awarded. Construction activities will commence upon approval of contractor's submittals and are expected to be completed by July 1992.
2. **Tank Farm:** Construction bid is scheduled to open in mid-March 1992 and construction activities are expected to be completed by November 1992, based on a 210 day construction schedule.
3. **Pickling and Plating Yard (PPY):** Contractor procurement for PPY removal will be done on the basis of contractor's technical qualifications, rather than only on the basis of price. Since this procurement process takes longer than a bid process, contractor selection and the award of contract is now expected to be completed by September 1992. Construction is scheduled to be completed by April 1993.
4. **Sandblast Grit Fixation:** A draft report on sandblast fixation pilot study will be submitted to the agencies in March 1992. If the pilot test is successful, full scale production of asphaltic concrete will begin sometime this summer, pending approval of required permits.

DTSC also suggested that the Navy obtain permit variances prior to production of asphaltic concrete. The Navy confirmed that Jesse Schnell of the Alternative Technology arm of DTSC has been kept in constant communication regarding this work.

DTSC informed the Navy that some of the removal action schedules have deviated from their original schedule. The Navy agreed to keep DTSC and other agencies informed of any schedule changes by informing them during TRC meetings and including most recent dates in the minutes of TRC meetings.

**V. Field Issues/Variations**

The agencies were informed that one monitoring well at IR-2 was relocated approximately 200 feet from its proposed location because no groundwater was encountered at the proposed location. A Notice of Field Variance was sent to the agencies.

**VI. SI/RI/FS Activities:**

1. **ESAP - Draft final ESAP Addendum** will be mailed to the agencies by the end of this week. The Navy requested agency concurrence on the revised plan by February 7, 1992 to complete wet season mussel deployment no later than March 1, 1992, or else completion of ESAP

implementation may be delayed by up to six months. Stormwater sampling could possibly occur two weeks after approval, with sediment sampling to occur approximately one month after initial mussel deployment.

2. Ecological Risk Assessment Plan (ECA) - Draft ECA will be submitted to the agencies in March 1992.
3. Site Inspection for PA 16/18 - Draft final SI report was submitted to the agencies in January 1992. Comments from the RWQCB have been received. Status of PA-16 will be finalized after the development of background values in Phase II background concentrations report. DTSC stated that recommendation for removal of any PA site from the IR program will have to be supported by an analysis of risk. The Navy concurred. Detailed discussion of the RI schedule for IR-18 was deferred until the afternoon meeting.

The Navy's contractors have revised their estimate for laboratory and validation turnaround time down from 105 days to 75 to 90 days based upon latest information.

4. Status of Operable Unit II - Contingency phase well/boring installation at the OU II sites have been completed. Draft RI report is scheduled for June 12, 1992.
5. Status of Operable Units I, III and IV - OUI Phase IIB2 field work is progressing. SFM will be submitted to the agencies on June 10, 1992, without the IIB2 data. The Navy is currently procuring a drilling subcontractor for drilling in the center of IR-1, the area prone to the methane problem.

OUIII SFM is being prepared. Due to difficult field conditions, drilling was delayed, and therefore, the Navy has requested a 10-week schedule extension to May 1, 1992.

OUIV Draft SFM was submitted on January 16, 1992 to the agencies. A presentation will be made to interested parties today after the TRC meeting.

6. Status of Operable Unit V - Group 5 consists of sites IR-11, 12, 13, 14, 15, and 17. A plan for additional primary phase investigation to investigate the areas with visual signs of contamination was discussed by HLA. The Navy will submit a letter work plan for this additional work to the agencies shortly. Analytical results from this proposed additional work, not expected to be available in time prior to the preparation of the SFM, will not be included in the SFM due to the agencies on July 31, 1992. Visual observations will be assessed in the SFM.

7. **TIMP - An audiovisual presentation of the results of first quarter TIMP was made by HLA. Additional work to monitor water levels in storm drains and sanitary sewers was proposed. It was suggested that salinity of sanitary sewer water be measured by field conductivity to evaluate infiltration of groundwater in the sanitary sewer system.**
8. **Aquifer Testing - Detailed discussion of aquifer testing work plan and Phase I report was deferred until the afternoon meeting. Draft Aquifer Testing Work Plan and Phase I Aquifer Testing Report were submitted to the agencies in October and November, 1991, respectively. Phase II Aquifer Testing work started on January 27, 1992.**
9. **RI Work Plan IR-20 and IR-22 - Draft final RI work plan is being prepared. It will be submitted to the agencies in March 1992.**
10. **SI Work Plan - Volumes I and II of the SI Work Plan were submitted to the Agencies in January 1992. Volume III will be submitted by early March 1992.**
11. **Radiation Survey - Radiation survey has detected radioactivity at HPA. Confirmation radiation survey is currently being performed to detect allegedly disposed radium-coated dials and sand-blast from ship decommissioning at the HPA.**

**High volume air sampling for alpha particles did not detect alpha radiation in ambient air. Similar sampling will be performed during intrusive activities.**

**Anomalous readings of beta and gamma radiation were detected in groundwater samples from a few IR-1 wells during the primary phase investigation. Additional groundwater sampling will be performed to confirm this finding. Bay water samples will be collected and analyzed to establish background concentrations.**

**A work plan for performing radiation survey and sampling of OUI, OUIV and portions of Sites IR-14 and IR-15 will be submitted to the agencies in two to three weeks and a report on this investigation will be submitted in mid-April 1992. An audiovisual presentation on the findings of radiation survey was made by PRC. Approximately 100 acres have been surveyed to date. Approximately 135,000 square feet of the surveyed area has been identified as containing identified sources of elevated radiation activities. Some of the radioactive materials discovered at the site are identified as alpha, beta, and gamma emitters. Maximum readings for radiation using a ionized chamber detector was 10.7 micro R/hr., which is similar to the readings from previous radiation surveys. Radon canister placement will be used to delineate areas which are suspected to contain buried radium.**

12. **Background Sampling** - An audiovisual presentation of background sample analysis was made by HLA. Navy's contractors briefly explained the method used to develop background concentration. It was stated by Navy's contractors that population partitioning was a valid and appropriate method for determining background concentration at HPA, because HPA consisted of artificial fills. NOAA requested that discussion of detection limits and number of samples that were below or above the detection limits be included in the report.

RWQCB suggested that the mean of "uncontaminated" should be used as the background and not the inflection point, which likely represents mean plus three times standard deviation. The report on results of Phase II analysis of background conditions will be submitted to the agencies in March 1992.

#### **VII. Product Recovery Testing - IR-3**

Product recovery has continued. Approximately 44 gallons of free-phase hydrocarbons have been removed since August 1991. Floating products have been detected in new wells at IR-3.

The results of product pumpout testing will be discussed in the next TRC meeting.

#### **VIII. Air Sampling**

Air sampling report is being prepared. It will include a work plan to fill the data gaps identified in the first phase. This report will be submitted to the agencies in March 1992.

#### **IX. Underground Tanks/On-site Soil Treatment Program**

On-site soil treatment program is being developed on the basis of primary phase results for OU-I and the parallel Phase I UST investigation results. A technical proposal will be submitted to the agencies before the next TRC meeting in March 1992.

#### **X. Site Maintenance and Repair Activities**

PG&E wants to restore a part of the natural gas systems. The agencies were notified of this request. PG&E will follow-up directly with the regulatory agencies.

#### **XI. Reuse Issues**

Navy is still negotiating the reuse issues. No decisions have been made.

**XII. Community Relations Program**

Next newsletter to agencies on Monday for their review. Another one will be released in March to discuss PHEE. Other planned releases are in April 1992 to discuss the findings of radiation survey and in May or June, 1992 a public meeting will be held to discuss the RI report for OUII.

**XIII. Next Meeting**

The next technical review committee meeting is scheduled for March 26, 1992.

dvl22158

TRC Meeting

1/29/92

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Denise Klimas	NOAA	(415)744-3126	
Michael Suchman	NOAA	(206) 526-6340	
Bonnie Arthur	Cal-Toxics	(510)540-3816	
Barbara M Smith	RWQCB	(510)464-4222	FAX
Ruberta Blank	USEPA	(415)744-2385	(1916)
Cathie Gardiner	Bechtel for EPA	(415)768-2766	FAX (768-7299)
Gary Welshans	PRC	(415)543-4880	FAX 543-5480
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David Wells	SF DPH	(415) 554-2796	
Jim Polisini	DTSC / TRAS	255-2096 (FAX)	
Cheip Kao	DTSC (Reg. 2)	(415) 255-2043	
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Randal Friedman	COMNAVBASE	415/543-4880	
Louise T. Lew	Navy - WESTON	415/395-3916	
Wayne Mayer	Bechtel for EPA	415/244-2552	
		415/768-6127	Fax (768-7299)

**AGENDA**  
**Technical Review Committee Meeting**



**Hunters Point Annex**  
**January 29, 1992**  
**9:30 a.m.**  
**Treasure Island, California**

- I. Approval of Minutes of Last Meeting**
- II. Federal Facility Agreement/Technical Assistance Grant**
- III. Fenced Area Access Procedures**
- IV. Removal Action Status Report**
  - 1. Tank S-505**
  - 2. Tank Farm**
  - 3. Pickling and Plate Yard**
  - 4. Sandblast Grit Fixation**
- V. Field Issues/Variance**
  - 1. Well Relocation at OUI**
- VI. SI/RI/FS Activities**
  - 1. Environmental Sampling and Analysis Plan**
  - 2. Ecological Risk Assessment Plan (ECA)**
  - 3. Status of Sites PA-16 and PA-18**
  - 4. Status of Operable Unit II**
  - 5. Status of Operable Units I, III and IV**
  - 6. Status of Group V**
  - 7. TIMP**
  - 8. Aquifer Testing**
  - 9. RI Work Plan - IR-20 and 22**
  - 10. SI Work Plan for PA Other Areas/Utilities**
  - 11. Radiation Survey**
  - 12. Background Sampling**
- VII. Product Recovery Testing - IR-3**
- VIII. Air Sampling**
- IX. Underground Tanks/On-site Soil Treatment Program**
- X. Site Maintenance and Repair Activities**
- XI. Reuse Issues**
- XII. Community Relations Program**
- XIII. Next Meeting**
- XIV. Summary of Notes**

**\*Meeting will be held in Building 1, Naval station Conference Room, which is on the 2nd Floor at the south end of Building 1.**