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17 MAY 1991

Ms. Eileen Hughes  
California Department of Health Services  
Toxic Substances Control Division  
Region 2  
700 Heinz Avenue, Building F, Suite 200  
Berkeley, CA 94710

Ms. Hughes:

Enclosure (1) is the Monthly Status Report for the month of April on the Remedial Investigation/Feasibility Study (RI/FS) at the Naval Air Station, Alameda. Enclosure (2) are the minutes of the Technical Review Committee meeting on 26 April 1991.

Thank you for your continued guidance and involvement in the IR program. Please direct any questions to Commander, Western Division, Naval Facilities Engineering Command (Attn: Ms. Bella G. Dizon, Code 1813BD, (415) 244-2551 or 2564).

Sincerely,

Original signed by:

RICHARD SERAYDARIAN  
Head, Installation Restoration Section

Enclosure:

- 1) Monthly Status Report - April, 1991
- 2) Minutes of Technical Review Committee Meeting, 26 April 1991

Copy to: (w/ encl)

NAS Alameda (Attn: Randy Cate)  
COMNAVBASE San Francisco (Attn: Randy Friedman)  
Regional Water Quality Control Board (Attn: Rico Duazo)  
National Oceanic & Atmospheric Administration (Attn: Chip Demarest)  
Bay Area Air Quality Management District (Attn: Scott Lutz/Brian Jennison)  
Department of the Interior (Attn: William C. Allan)  
California Department of Fish and Game (Attn: Mike Rugg)  
Community Advisory Committee (Attn: Roberta Hough/Lyn Stirewalt)

Blind copy to: (w/ encl)

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MONTHLY STATUS REPORT  
APRIL 1991  
NAS ALAMEDA

1. **Progress During the Reporting Period:**

- Phase 5, RI/FS (SWAT) (CT0-85)

J. M. Montgomery (JMM) prepared the Draft Final Interim Data Report and submitted it to PRC Environmental (PRC) for review. PRC submitted the report to the Navy on April 23, 1991.

- Phase 5 and 6, RI/FS (SWAT) (CT0-107)

JMM prepared the Final Health and Safety Plan for field activities.

JMM prepared Final Addenda to the Sampling Plan and Quality Assurance Project Plan (QAPP).

JMM received PRC approval to award the drilling contract to Water Development Corporation. Drilling activities started on April 23, 1991.

JMM began surveying grid nodes for surface soil sampling on the West Beach Landfill.

The geophysical contract was awarded to Norcal Geophysical Consultants. The contract with Norcal includes additional surveys requested by the Department of Health Services.

JMM recommended to PRC that Earth Technology Corporation serve as the geotechnical laboratory.

- Well Decommissioning (CTO-95)

Permits to decommission wells have been obtained from the Alameda County Flood Control and Water Conservation District (Zone 7). PRC is in the process of procuring a subcontractor to decommission the wells.

- Phase 2B and 3, RI/FS (CTO-121)

PRC initiated preparation for the air monitoring program. Analytical laboratories for air sample analyses are being reviewed.

PRC gave JMM verbal notice to proceed on April 1, 1991 and written notice on April 20, 1991.

JMM prepared the Draft Health and Safety Plan for CTO 121 field activities. The document is currently undergoing review.

JMM prepared and sent bid packages to potential drilling, soil gas surveying, land surveying and geotechnical laboratory subcontractors.

## **2. Meetings and Reports:**

### **2.1 Meetings**

- A kick-off meeting for CTO No. 107 was conducted on April 17, 1991. Issues discussed included drilling near runways, scheduling, base access, personnel, and health and safety.
- A Technical Review Committee (TRC) meeting was conducted on April 26, 1991. Members of the Community Advisory Committee were present. The progress of the RI/FS and the SWAT were discussed.

### **2.2 Reports**

- Phase 5, RI/FS (SWAT) (CTO-85)

The Draft Final Interim Data Report was submitted to the Navy on April 23, 1991.

- Phase 5 and 6, RI/FS (SWAT) (CT0-107)

The Final Health and Safety Plan was prepared.

Final Addenda for the Sampling Plan and QAPP were delivered to the Navy on April 26, 1991.

- Well Decommissioning (CTO-95)

None

- Phase 2B and 3, RI/FS (CTO-121)

None

**3. Problems Encountered and Resolutions:**

- Phase 5, RI/FS (SWAT) (CT0-85)

Drummed wastes are still being stored near the staging area pending results of ground-water sampling and analyses.

Additional funding will be required to cover higher than anticipated drilling costs and to complete the Final Interim Data Report.

- Phase 5 and 6, RI/FS (SWAT) (CT0-107)

The Bay Area Conservation and Development Commission (BCDC) indicated to the Navy that they no longer require a consistency determination (permit) for installation of the monitoring wells.

An additional 14 monitoring wells screened above the Bay Mud aquitard were requested by the Department of Health Services (DHS).

- Well Decommissioning (CTO-95)

Due to earlier negotiations, which involved health and safety issues and well decommissioning methods, the LOE for this project will soon be exceeded.

- Phase 2B and 3, RI/FS (CTO-121)

The analytical laboratory contract for air sample analyses will have to go out to competitive bid without priority given to a Basic Ordering Agreement (BOA) laboratory. Only 2 BOA laboratories included air analyses in their contract. For competitive bidding purposes, the bid package will have to be delivered to non-BOA laboratories.

Modifications to Building 360 (Site 4) sampling methods were proposed because plating and stripping tanks will not be removed on schedule by the Navy.

**4. Reports Scheduled for May Submittal:**

- Phase 5, RI/FS (SWAT) (CT0-85)

It is anticipated that Navy comments on the Draft Final Interim Data Report will be received. The Final Interim Data Report will be prepared after the Navy comments have been received.

- Phase 5 and 6, RI/FS (SWAT) (CT0-107)

None

- Well Decommissioning (CTO-95)

None.

- Phase 2B and 3, RI/FS (CTO-121)

Draft Health and Safety Plan

5. **Planned Activities for May 1991:**

- Phase 5, RI/FS (SWAT) (CT0-85)

It is anticipated that Navy comments on the Draft Final Interim Data Report will be received. The Final Interim Data Report will be prepared after the Navy comments have been received.

- Phase 5 and 6, RI/FS (SWAT) (CT0-107)

Award geotechnical laboratory subcontract.

Complete surface soil sampling on the West Beach Landfill.

Perform geophysical surveys on the West Beach Landfill.

Complete the installation of 36 monitoring wells.

- Well Decommissioning (CTO-95)

Pending subcontractor approval, specifications for well decommissioning will be delivered to the DHS for approval. Upon approval, well decommissioning will begin.

- Phase 2B and 3, RI/FS (CTO-121)

PRC will perform an air monitoring reconnaissance trip.

JMM will award drilling, soil gas survey, land surveyor, and geotechnical laboratory subcontracts pending PRC approval.

JMM will obtain PRC approval of analytical laboratory subcontractor.

JMM will mark borehole locations and receive Public Works clearance.

JMM will complete clearances at drilling sites for geophysics.

JMM will begin drilling activities for monitoring wells.

**JMM will submit Building 360 sampling modifications for approval.**

TECHNICAL REVIEW COMMITTEE MEETING  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
NAVAL AIR STATION, ALAMEDA

FRIDAY, 26 APRIL 1991

BUILDING 114 CONFERENCE ROOM

10:00 A.M.

Personnel	Organization	Phone Number
Bella Dizon	WESTDIV	(415) 244-2564
Randy Cate	NAS Alameda	(415) 263-3716
Ernie Galang	WESTDIV	(415) 244-2560
Randal Friedman	Naval Base SF	(415) 345-3916
Roberta Hough	Community Advisory Committee	(415) 565-6963
Lyn Stirewalt	Community Advisory committee	(415) 263-8591
Eileen Hughes	DHS Region 2	(415) 540-3848
Brian Jennison	BAAQMD	(415) 771-6000
Steve Newton	J.M. Montgomery	(415) 975-3400
Jeff Johnson	PRC Environmental Management, Inc.	(916) 852-8300
Kirk Switzer	PRC Environmental Management, Inc.	(916) 852-8300
Chein Kao	DHS/TSCP/Region 2	(415) 540-3822
Chip Demarest	NOAA	(415) 744-3126
Larry Selo	Alameda City	(415) 271-4320
Geoff Jones	NAS Alameda	

**Meeting Minutes**

Barbara Cook may be the new Department of Health Services (DHS) project manager for Naval Air Station (NAS) Alameda to replace Mark Malinowski. Chein Kao is temporarily assuming responsibilities with assistance provided by Eileen Hughes.

The Navy reviewed the last TRC meeting, which was held approximately four months ago. At that time, Phase 1 was being completed by Canonie Environmental. Phase 1 involved the collection of data from the landfills, including air monitoring and the collection of geotechnical samples. Results are in the repository. Additionally, six deep exploratory borings were drilled.

Phase 2A was also in progress and included investigations for sites east of the Seaplane Lagoon. Data collected from these investigations will be used to evaluate the extent of contamination and for implementing remedial action.

An Air SWAT for the landfills was required by the Bay Area Air Quality Management District (BAAQMD). Data from the Air SWAT is used to assess generation of landfill gases and potential migration of gasses in the landfill. The Air SWAT for the landfills at NAS Alameda was reviewed by the BAAQMD. Results from this review indicated no unusual conditions. One site at the landfills had 3% methane, but this was below California standards. The final conclusion was that little gas-generating wastes were disposed of at the landfills in 30 years and that the methane generating potential is gone.

The Navy said that the analyses of the test results of Phases 1 and 2A will be out in a report in August.

Twelve ground-water monitoring wells were recently installed near the landfills for Phase 5 of the RI/FS. An interim report summarizing this work is currently being reviewed by the Navy and should be completed within one month. A total of 72 wells will be installed under Phase 5. The second phase of drilling (which includes the last 60 wells) began April 23, 1991. The Regional Water Quality Control Board (RWQCB) has requested that ground-water samples from these wells be analyzed quarterly for one year. Therefore, the report summarizing all Phase 5 activities is anticipated to be completed during the Fall of 1992.

The Bay Area Conservation and Development Commission (BCDC) is concerned about spill over affects in the San Francisco Bay from drilling activities for Phase 5. The Navy told the BCDC that all soil and water generated from these activities will be containerized. Consequently, the BCDC no longer requires a consistency determination (CD). However, they want to know when remedial action begins, as a CD may be required at that time.

Work for Phases 2B and 3 has just been awarded. This work involves sites north of the Seaplane Lagoon. Boring locations are currently being marked and drilling should start in about 4 weeks.

Existing wells that were installed at the landfills several years ago are not going to be used for ground-water monitoring. The DHS requires that these wells be abandoned. PRC explained that these wells will be abandoned by perforating the polyvinyl chloride (PVC) casing, and pressure grouting all well materials in place. Based on previous records, 44 wells were installed. However, 18 wells were found and these wells will be abandoned. Work should begin in May.

Sampling at the Seaplane Lagoon and estuary, geared towards public health, has been approved in the Canonic work plan as part of the RI/FS. However, other agencies (NOAA, Department of the Interior, RWQCB) are concerned about the adequacy of sampling in terms of environmental assessment. Changes to the sampling program are, therefore, required. NOAA recommends that the collection of surface water samples be reduced, the list of analytes be expanded, asbestos analyses be eliminated, and bioassays and bioaccumulation analyses be increased. An Ecological Assessment Plan (work plan) will be prepared to address all of these public health and environmental concerns. The preparation of this plan may be completed in three months.

The Navy wants to build a new Aircraft Intermediate Maintenance Facility near the old Pacific Coast Oil Refinery area. The refinery was operating in the late 1800's. During excavation of an old storm sewer trench, soil and ground-water contamination was encountered. The project was subsequently abandoned. Benzene was identified in the groundwater. Low pH, high lead concentrations, and high hydrocarbon concentrations were identified in the soil. The DHS recommended a removal action based on one soil sample having a pH less than 2. The Navy said that a study will be performed to assess the extent of soil with a low pH. Negotiations for this work are scheduled for May 10, 1991. The DHS wants the process speeded up and said that a detailed study is not necessary.

On March 1, 1991, a fuel spill at Building 397 was discovered. A valve was left open in the fuel room. It is estimated that a maximum of 17,000 gallons of JP-5 fuel spilled into the sewer system. As soon as the spill was detected, approximately 35,000 gallons of fuel-water mixture was pumped out of the sewer system. The storm sewer has a dead end because it is in the process of being repaired due to earthquake damage. Additionally, approximately 68,000 gallons of fuel-water mixture was pumped out of the concrete pit below the test cell. The Navy is performing an engineering investigation on sources of the spill. Soil and ground-water contamination due to the spill will be investigated and remediated. A TV scan of the sewer system will also be performed to check for broken pipe and the presence of fuel.

A visual display board for RI/FS work at NAS Alameda is being prepared by the Navy. The new community relations specialist, Geoff Jones, is coordinating this work.