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14 NOV 1990

Mr. Mark Malinowski
California Department of Health Services
Toxic Substances Control Division
Region 2
700 Heinz Avenue, Building F, Suite 200
Berkeley, CA 94710

Mr. Malinowski:

Enclosed is the Monthly Progress Report for the month of October on the Remedial Investigation/Feasibility Study at the Naval Air Station, Alameda. Also enclosed are minutes of the Progress Review meeting held on October 23, 1990.

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

Encl:
(1) RI/FS Monthly Progress Report at NAS Alameda, October 1990
(2) Minutes of Progress Review Meeting

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)
Blind copy to: (w/ encl)
1813, 1813BD, 1813EG, Admin. Record
Writer: Bella Dizon, 1813BD, x2564
Typist: A. Araujo, 901109, OCT-MON STAT RPT
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INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
OCTOBER 1990

Progress During the Reporting Period

- With the exception of some water samples from Yard D-13 and the Oil Refinery, laboratory (chemical) analyses have been completed on Phase 2A soil and ground water samples. Additional water sampling activities were performed on Wells MWD13-3 and MWD13-4 at Yard D-13 because the laboratory holding times on the previous ground water samples were accidentally exceeded for both total petroleum hydrocarbons and total organic carbon analyses. In addition, water samples were also obtained from Well B-14 (MW-1), a monitoring well installed at the Oil Refinery site by a previous contractor. This well was selected for sampling instead of the existing well at the Cans C-2 Area, because it was determined that a the existing well at Cans C-2 Area was not suitable for water sampling purposes. Samples from Well B-14 (MW-1) were analyzed for the same chemical groups, as those at the Oil Refinery site. Waste barrels generated during the Phase 2A field work were transported from each boring location and the storage yard to the Building 547 area for temporary storage. The barrels were placed in the southwestern corner of the fenced yard surrounding Building 547. The Phase 2A field activities for October 1990 are summarized in Table 1. The field activity status for October 1990 and projected field activities for November 1990 are provided on Tables 2 and 3, respectively.

Removals:

- None

2. Reports and Meetings

- The monthly progress report for September 1990 was submitted on October 10, 1990. A monthly project status meeting was held on October 23, 1990. This meeting focused on several issues, including those associated with the Water SWAT at the landfill areas and the Phase 2A data validation package. Specific topics discussed during this meeting are also provided in the attached meeting note.

- The following reports were submitted during October 1990:

Report	Date of Submittal
Data Validation Package	October 23, 1990

3. Problems Encountered and Resolutions:

Existing Monitoring Well, B-14 (MW-1), installed by a previous contractor, was sampled at the Oil Refinery site instead of the existing well at the Cans C-2 area. Water samples from Well B-14 will

ENCLOSURE 1

be analyzed for the same chemical groups, as those being analyzed for the Oil Refinery Site.

4. Reports Scheduled for November Submittal:

   - o Phase 2A Boring Logs and Monitoring Well Construction Details;
   - o Phase 2A Survey Data:
   - o Phase 2A Air Sampling Laboratory Analyses:
   - o Phase 2A Soil Sampling Laboratory Analyses:
   - o Phase 2A Water Sampling Laboratory Analyses.

5. Planned field activities for November 1990 are shown in Table 3.

TABLE 1

PHASE 2A FIELD ACTIVITIES FOR OCTOBER 1990
NAS ALAMEDA RI/FS

Site Name	Soil Gas Surveying	Surface Soil Sampling	Soil Borings	Well Installation	Well Development	Well Sampling	Surveying	Waste Barrel Handling
Building 360	-	-	-	-	-	-	-	x
Building 547	-	-	-	-	-	-	-	x
Yard D-13	-	-	-	-	-	-	x	x
Building 410	-	-	-	-	-	-	-	x
Building 530	-	-	-	-	-	-	-	x
Oil Refinery	-	-	-	-	-	-	x	x
Cans C-2 Area	-	-	-	-	-	-	-	x
Area 97	-	-	-	-	-	-	-	x

Notes:

1. "x" denotes activity.

2. "-" denotes no activity.

TABLE 2

STATUS OF PHASE 2A FIELD ACTIVITIES AS OF OCTOBER 31, 1990
NAS ALAMEDA RI/FS

Site Name	Soil Gas Survey		Surface Soil Sampling		Soil Borings		Well Installation		Water Sampling		Surveying	
	Planned	Completed	Planned	Completed	Planned	Completed	Planned	Completed	Planned	Completed	Planned	Compl
Building 360	0	0	30	0	5	5	4	4	4	4	9	
Building 547	72	62	0	0	5	5	5	5	5	5	72	7
Yard D-13	0	0	0	0	12	12	4	4	4	4	16	1
Building 410	0	0	0	0	5	5	4	4	4	4	9	
Building 530	0	0	0	0	0	0	3	3	3	3	3	
Oil Refinery	0	0	0	0	22	22	5	5	5	6	27	2
Cans C-2 Area	0	0	55	55	6	6	3	3	4	3	64	6
Area 97	137	121	0	0	0	0	3	3	3	3	124	12
Total	209	183	85	55	55	55	31	31	31	31	324	32

Notes:

1. Surveying includes soil gas survey points, surface sampling points, borings, and monitoring wells.

2. Sixty-two soil gas survey points were only completed at Building 547 during the Phase 2A field work to cover the planned grid area shown in Volume 1, Alameda RI/FS Sampling Plan. Only 121 points were completed at Area 97 because of existing buildings along the grid lines.

3. The proposed thirty surface soil samples from the crawlspace underneath Building 360, have not been collected because sampling locations are undergoi redesignation.

4. An existing monitoring well at the Cans C-2 Area was not sampled because of the lack of background information on the well. Existing monitoring well, 14 (MW-1), installed by a previous contractor at the Oil Refinery site, was sampled on October 16, 1990, in substitution for the existing Cans C-2 wel

TABLE 3

PROJECTED FIELD ACTIVITIES FOR NOVEMBER 1990
NAS ALAMEDA RI/FS

Ground Water Levels

Site	Number of Wells To Be Monitored
Building 360	4
Building 547	5
Yard D-13	4
Building 410	4
Building 530	3
Oil Refinery	5
Cans C-2 Area	3
Area 97	3
Total	32

PROGRESS REVIEW MEETING
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
NAVAL AIR STATION ALAMEDA

23 OCTOBER 1990

Personnel Attended	Affiliation
Jeff Johnson	PRC Environmental
Steve Newton	J. M. Montgomery
Alan Nakamura	WESTDIV
Ernie Galang	WESTDIV
Bella Dizon	WESTDIV
Mark Malinowski	Department of Health Services
James Babcock	Canonie
Amelia DuQue	NAS Alameda
Rico Duazo	Regional Water Quality Control Board
Tim Bodkin	Canonie
Victor Weiss	Canonie
Randy Cate	NAS Alameda

Minutes

Jim Babcock explained that all field work for Phase 2A has been completed, except for well elevations which are currently being surveyed. Results from the soil gas survey are in, but the data has not been analyzed. Analytical data from CH2M Hill are still being delivered to Canonie. The geotechnical data should be delivered in about a week. Canonie hopes to receive everything in about 2-3 weeks.

Steve Newton explained that a kickoff meeting for CTO 0085 (SWAT) is in the process of being set up for tomorrow. Coordination with the air control personnel and utility personnel will be established. Randy Cate said he will contact utility personnel and set up a meeting for tomorrow. Steve Newton said that field work for CTO 0085 should start during the second week in November. Randy Cate also said that the San Francisco Bay Conservation and Development Commission (BCDC) wants a Federal Consistency Determination. Drilling is subject to the Coastal Zone Management Act. A letter and application from the BCDC was given to personnel at the meeting.

Jim Babcock said that lab methods described in SW-846 were used for Phase 2A. Two percent of the samples from Phases 1 and 2A have data validation packages. For Phases 5 and 6, a CLP Protocol lab, state certified, will be used. Full CLP packages will not be generated. Steve Newton mentioned that JMM proposes validation on 20% of the samples for Phases 5 and 6. Mark Malinowski said that HML guidelines need to be followed concerning full data validation packages, and will obtain these guidelines.

Bella Dizon mentioned that NAS Alameda may be put on the NPL list. Hunters Point is on the NPL list and CLP Laboratories are being used for that project. Mark Malinowski said he will find out if full CLP reports need to be generated.

Jim Babcock said that during lab analyses, interference with the analyses occurred. Selected samples were analyzed for hydrocarbons. Hydrocarbons were identified and may possibly be diesel or oil.

ENCLOSURE 2

Randy Cate discussed the last Citizens Advisory Committee meeting, and proposed to schedule the next meeting for January 1991. The attendance at the last meeting was low.

Randy Cate mentioned that during the Loma Prieta Earthquake (October 1989) several storm lines near RI/FS sites collapsed (Cans Area, Building 530), and inquired about sampling in these areas before repairs were made. Waste Oil contamination was found near one line. Mark Malinowski said subsurface soil samples should be collected and analyze for volatiles, metals, and pH. Soil samples should be collected in brass sleeves, and from a depth of about 18 inches. Randy Cate said that a letter addressing these issues will be sent to Mark Malinowski. Mark said that the Navy should make a proposal addressing the issues, and that field personnel collecting the samples must have 40 hours of OSHA training.

Questions concerning ARAR's and water quality came up. Potential ARAR's were passed out by Canonie for review. Mark Malinowski said that the Water Board sent a letter to the Navy a couple of years ago. The letter said that groundwater below NAS Alameda needs to be classified as usable for potable water.

Randy Cate said that a revised closure plan for the treatment plant at Building 360 was submitted. Operations in Building 360 will be moved to a new building in March 1991. After the move, surface soil sampling can be conducted.

For Building 5, Randy Cate wants a letter from DHS before sampling is initiated. Mark Malinowski said he wants the Navy to take a proactive stance and sample without the letter. The DHS wants a pH analysis on a sample collected below the drain line.

Mark Malinowski requested a list from the Navy which identifies all underground storage tanks at NAS Alameda. He also wants to be on the mailing list to receive all reports generated on underground storage tank work, and wants a list of all reports generated to date.

Mark Malinowski encourages PRC to remove casing and filter pack during well decommissioning at the 1943-1956 Disposal Area and the West Beach Landfill, and said that he would contact Fred Stanley at PRC to discuss health and safety issues. Bella Dizon told PRC to hold off on the well decommissioning work plan.

Tim Bodkin said that flowing sands were encountered between depths of 15 and 20 feet below the land surface. Drilling with a hollow-stem auger with continuous sampling is difficult. Drilling with mud-rotary is recommended. The Merritt Sand is very uniform and is described as SP on the Unified Soil Classification System. The fill material in the landfill is also described as SP. There is some flowing sand in the Merritt Sand. The DHS does not want water injected in hollow-stem augers to control flowing sands.

Tim Bodkin recommends using 0.010 slotted screen and #2 sand as filter pack for monitoring well construction. Mark Malinowski wants a uniformity coefficient determined in order to design filter packs for monitoring wells. This information is available from the first wells drilled during Phase 5. Canonie grouted monitoring wells with Portland II Cement. No problems with chlorides in the ground water were observed. Canonie also said that volclay-grout would probably be better.