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18 OCT 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 September on the Remedial Investigation/Feasibility Study at the Naval Air Station, Alameda. Also enclosed are minutes of the Technical Review Committee (TRC) meeting and the Solid Waste Assessment Test (SWAT) meeting held on September 11 and September 19 respectively.

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, August 1990
- (2) Minutes of TRC Meeting
- (3) Minutes of SWAT 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)

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INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
SEPTEMBER 1990

Progress During the Reporting Period

- o Laboratory (chemical) analyses are currently being performed on Phase 2A soil and ground water samples. Geotechnical analyses on Phase 2A soil samples are also being performed. Surveying has been completed for the monitoring wells, borings, surface sampling locations, and soil gas survey points. Arrangements for movement of the waste drums generated during the Phase 2A field work were made with the NAS Alameda Facilities Management Office. The drums will be transported from each boring location, well location, and the storage yard to the Building 547 area for temporary storage. The Phase 2A field activities for September 1990 are summarized in Table 1. The field activity status for September 1990 and projected field activities for October 1990 are provided on Tables 2 and 3.

Removals:

- o None

2. Reports and Meetings

- o The monthly progress report for August 1990 was submitted on September 17, 1990. A project meeting was held on September 19, 1990. This meeting focused on issues associated with the Water SWAT at the landfill areas. Specific topics of discussion during this meeting are provided on the attached meeting notes.
- o The following reports were submitted during September 1990:

<u>Report</u>	<u>Date of Submittal</u>
Summary Tables of Analytical Results for Site 1, 1943-1956 Disposal Area and Site 2, West Beach Landfill	September 27, 1990

3. Problems Encountered and Resolutions:

An existing monitoring well, B-14 (MW-1), installed by a previous contractor, will be sampled at the Oil Refinery site, rather than Well WA-6 at the Cans C-2 area. Well WA-6 could not be located at the Cans C-2 Area during a recent site visit. It is believed that this well is abandoned or covered by existing cultural features. In addition, other wells at the Cans C-2 site, previously under consideration for water sampling purposes, were not selected during this phase of sampling because of the unavailability of background information on these wells.

4. Reports Scheduled for October Submittal:
 - o Phase 2A Air Sampling Laboratory Analyses;
 - o Phase 2A Survey Data;
 - o Phase 2A Boring Logs and Monitoring Well Construction Details;
 - o Phase 2A Soil Sampling Laboratory Analyses;
 - o Phase 2A Water Sampling Laboratory Analyses.

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

TABLE 1
 PHASE 2A FIELD ACTIVITIES FOR SEPTEMBER 1990
 NAS ALAMEDA RI/FS

<u>Site Name</u>	<u>Soil Gas Surveying</u>	<u>Surface Soil Sampling</u>	<u>Soil Borings</u>	<u>Well Installation</u>	<u>Well Development</u>	<u>Well Sampling</u>	<u>Surveying</u>
Building 360	-	-	-	-	-	-	x
Building 547	-	-	-	-	-	-	x
Yard D-13	-	-	-	-	-	-	x
Building 410	-	-	-	-	-	-	x
Building 530	-	-	-	-	-	-	x
Oil Refinery	-	-	-	-	-	-	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 SEPTEMBER 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	Completed
Building 360	0	0	30	0	5	5	4	4	4	4	9	9
Building 547	72	62	0	0	5	5	5	5	5	5	72	72
Yard D-13	0	0	0	0	12	12	4	4	4	4	16	16
Building 410	0	0	0	0	5	5	4	4	4	4	9	9
Building 530	0	0	0	0	0	0	3	3	3	3	3	3
Oil Refinery	0	0	0	0	22	22	5	5	5	5	27	27
Cans C-2 Area	0	0	55	55	6	6	3	3	4	3	64	64
Area 97	137	121	0	0	0	0	3	3	3	3	124	124
Total	209	183	85	55	55	55	31	31	31	30	324	324

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, NAS Alameda RI/FS Sampling Plan. Only 121 points were completed at Area 97 because of existing buildings along the grid lines.
3. Thirty surface soil samples have not been collected from the crawlspace underneath Building 360, because sampling locations are undergoing redesignation.
4. An existing monitoring well at the Cans C-2 Area will not be sampled because the well site can not be located. An existing monitoring well, B-14 (MW-1) installed by a previous contractor, will be sampled at the Oil Refinery Site, in substitution for the Cans C-2 Well.

TABLE 3

PROJECTED FIELD ACTIVITIES FOR OCTOBER 1990
NAS ALAMEDA RI/FSWater Sampling

<u>Site</u>	<u>Number of Wells To Be Sampled</u>
Building 360	0*
Building 547	0*
Yard D-13	0*
Building 410	0*
Building 530	0*
Oil Refinery	1
Cans C-2 Area	0*
Area 97	0*
Total	1

Waste Barrel Handling

Waste barrels, containing drill cuttings and waste water from recent field work, will be picked up from the Phase 2A boring locations, well locations, and the storage yard and will be transported to the Building 547 yard for temporary storage.

Note:

1. * Indicates that the field activity was already completed during August 1990.

**TECHNICAL REVIEW COMMITTEE MEETING
NAS ALAMEDA INSTALLATION RESTORATION PROGRAM**

September 11, 1990

Personnel Present

Amelia Duque	NAS Alameda
Virginia Felker-Thorpe	Public Affairs Officer, NAS Alameda
Bella Dizon	WESTDIV
Alan Nakamura	WESTDIV
Jeff Johnson	PRC Environmental Management, Inc.
Steven Newton	James M Montgomery Consulting Engineers, Inc.
CDR Steve Frederick	XO NAS Alameda
Brian Jennison	BAAQMD
Scott Lutz	BAAQMD
Jim Babcock	Canonie Environmental
Randy Cate	NAS Alameda
Roberta Hough	Alameda Community Representative
Lyn Stirewalt	Alameda Community Representative
Mark Malinowski	Department of Health Services
William C. Allan	Department of the Interior
Chip Demarest	NOAA
William Faulhaber	Alameda County Environmental Health

Minutes of the Meeting

The meeting was opened by Virginia Felker-Thorpe at 9:00 AM. CDR Steve Frederick spoke briefly and introduced Randy Cate, Environmental Officer, NAS Alameda.

Randy Cate started the meeting with an overview of the project. The NACIP program began in 1980. By 1985, two investigations were completed at the NAS Alameda. Several soil and groundwater samples were collected throughout the base, and 4 areas were recommended for further study. These areas included the West Beach Landfill, the 1943-1956 Disposal Area, Building 360, and Area 97. The EPA and DHS later recommended that 20 sites, instead of 4, be studied. A Community Relations Plan was prepared and included provisions for a Citizens Advisory Committee and a Technical Review Committee (TRC).

Randy Cate briefly discussed individual sites within the base. Included in this discussion were the Old Refinery Site, Cans C-2 Area, Building 10, Building 459, Building 547, Building 5, the Seaplane Lagoon, and others. A SWAT was subsequently requested by the RWQCB for the two landfill sites. The SWAT will be incorporated with the RI/FS. The DHS is currently the lead agency. However, if NAS Alameda is put on the NPL list, the EPA will become the lead agency.

Randy Cate explained that the purpose of the TRC is to identify key issues, comment on proposed actions, and provide oversight on the work being performed. It also gives the public the chance to participate. A public member with a technical background is currently being sought from the California Academy of Sciences or a university. The TRC will meet approximately every 2-3 months.

Bella Dizon, Project Manager for remedial investigations at NAS Alameda, was introduced by Randy Cate. Bella Dizon explained that Phase I of the RI/FS has been completed. This includes preliminary exploratory work at the landfills, a radiological survey, geotechnical work, and six deep exploratory borings. Phase IIA is almost complete. Specifically, investigations of 7 sites east of the Seaplane Lagoon have been conducted. However, laboratory results have not been received.

The SWAT for the landfills (1943-1956 Disposal Area, and the West Beach landfill) will be the next phase conducted. Work will begin either late this year or early next year. After the SWAT, the area north of the Seaplane Lagoon will be investigated followed by the collection of bioassay and sediment samples in the wetlands. It is anticipated that all work will be completed in 1992. After these phases have been completed, work will focus on the remedial design.

Jim Babcock, with Canonic Environmental, summarized field activities. A radiological survey was conducted in the 1943-1956 Disposal Area. Results of the radiological survey and maximum contaminant levels from Title 22 were displayed to the TRC. In summary, no significant problems were identified. Jim Babcock then displayed a map showing the locations of survey points and the six deep exploratory borings.

Several labs were used for analyses. Results from one laboratory (CH2M Hill) have not been received. All data are currently being entered on a computer data base. Boring logs, in addition to laboratory analyses, are also being entered on a computer data base. Results of some geotechnical analyses will not be entered on the computer data base.

Canonic's field activities are currently being wrapped up. Monitoring wells and boring locations are being surveyed. The disposal of drums containing drill cuttings and purge water is being worked on.

Chip Demarest mentioned that Title 22 list alpha and beta maximum contaminant levels (MCL) for water, but not for soil, and asked Jim Babcock if there are any MCL's for soil. Chip Demarest also suggested that physical descriptions of the samples analyzed, and the detection limit of the analysis, be included with the analytical reports.

Questions concerning air quality came up (because of one anomalously high gross beta analysis). Brian Jennison from the BAAQMD said he wasn't concerned about radium at the site because of the openness of the area and the short half-life of radium. Also, Brian Jennison said that the Air SWAT has been performed at the two landfills. The Navy is in the process of completing the Air Swat Report.

Questions came up regarding the timing of field activities for the SWAT. Bella Dizon said that the SWAT may not be conducted this fiscal year because of lack of funding, and that field activities may have to wait until the project was completely funded. The fiscal year ends in September. Comments were made that first quarter funding is often difficult to obtain. Mark Malinowski asked if an elemental approach to phases 5 and 6 could be taken so that the project could continue and not come to a stop because of lack of funding. Bella Dizon said she would check into this.

Next meeting will be held in 2-3 months
Meeting adjourned at 10:45 AM

September 19, 1990
Department of Health Services, Emeryville, California

Personnel Present:

Mark Malinowski	Department of Health Services
Rico Duazo	Regional Water Quality Control Board
Bella Dizon	WESTDIV
Allan Nakamura	WESTDIV
Randy Cate	NAS Alameda
Jim Babcock	Canonie Environmental
Steve Newton	James M. Montgomery
Kirk Switzer	PRC Environmental Management
Jeff Johnson	PRC Environmental Management

Minutes of Meeting:

Mark Malinowski opened the meeting at approximately 2:20 PM. The purpose of the meeting was to discuss priorities relating to the SWAT to be conducted at NAS Alameda. The Navy doesn't have the budget to cover the entire cost of the project, and priorities need to be determined. The first alternative suggested by Mark Malinowski was to install all of the monitoring wells; the second was to install some monitoring wells, collect and analyze ground water samples, and continue as long as possible.

Jim Babcock informed the members of the meeting that the existing ground water monitoring wells (14 at West Beach Landfill and 5 at the 1943-1956 Disposal Area) could not be used for monitoring purposes. The Regional Water Quality Control Board (RWQCB) will not accept analytical results of ground water samples collected from the existing wells because of poor well construction.

Bella Dizon suggested that two well clusters be installed and three soil samples per cluster be collected and analyzed. The monitoring wells are not to be developed and no ground water samples are to be collected and analyzed. The remainder of the funds for the project should be available by November.

... soil samples, are to be collected and analyzed. Additionally, 2 ground water monitoring wells, a shallow well and an intermediate well, will be installed adjacent to each of the 6 deep exploratory borings that have already been drilled. This would complete the installation of 6 well clusters around the landfills. Soil samples have already been collected from the deep soil borings, therefore, no additional soil samples would be collected from the 12 monitoring wells installed around the landfill.

The background monitoring wells (total of 6) will be developed and gaged. Ground water samples will be collected and analyzed from each well. No ground water samples will be collected from the ground water monitoring wells installed adjacent to the deep exploratory borings, unless funds were available.

The next Progress Review meeting was scheduled for October 23, 1990.

After the meeting, CTO-0095 was discussed. CTO-0095 was initiated when the Department of Health Services requested that ground water samples be collected from existing monitoring wells around the West Beach Landfill and the 1943-1956 Disposal Area. Mark Malinowski was asked why should ground water samples be collected and analyzed if the RWQCB will not accept the validity of the analytical results. Mark Malinowski responded and said it was not necessary to collect and analyze ground water samples from the existing wells. Due to poor well construction, all existing wells will have to be abandoned, and a work plan to abandon the wells will have to be prepared. Additionally, there was concern by other agencies that a drilling rig will damage the wetlands area and therefore heavy equipment will not be allowed on the wetlands area on West Beach Landfill.

During the negotiations on September 20, 1990, the scope of work for the SWAT was revised. Instead of installing two ground water monitoring wells adjacent to each of the six deep exploratory borings drilled around the landfills, two wells will be installed adjacent to only three deep exploratory borings drilled around the West Beach Landfill. Therefore, six wells (three well-clusters) instead of twelve wells (six well-clusters) will be installed around the landfills. Also ground water samples from background wells and wells adjacent to the three deep exploratory borings will not be collected and analyzed at this time.