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

Subj: INSTALLATION RESTORATION PROGRAM MONTHLY STATUS/ACTION
REPORT FOR NOVEMBER AT NAVAL AIR STATION, MOFFETT FIELD

1. Enclosure (1) is the Installation Restoration Status/Action Report for November 1991.
2. Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Naval Facilities Engineering Command (Attn: Mr. Stephen Chao, Code 1813SC, (415) 244-2552).

Original signed by:

GILBERT A. RIVERA
By direction

Encl:

- (1) Installation Restoration Monthly Status/Action Report, November 1991

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Writer: Stephen Chao, 1813SC, x2563
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NAVAL AIR STATION MOFFETT FIELD, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
NOVEMBER 1991

1. Progress During the Reporting Period

The following activities were accomplished during the reporting period:

- Technical coordination meetings were held between the Navy, NASA and the MEW group.
- Work continued on the Site 9 100 Percent Source Control Designs.
- Preparations of the Northbase Area Additional Investigations Field Work Plan began.
- Work continued on the screening of remedial technologies report for OU-4.
- The Station-Wide Health and Safety Plan was completed.
- Quarterly sampling of the Source Control Investigation wells was performed in November.
- Step drawdown testing and well installation for the Aquifer Test continued during the month of November. Nine(9) aquifer tests were completed.
- Field sampling of the Air SWAT wells was completed during the month of November.
- Water level measurements in monitoring wells was accomplished the last week in November.
- November field activities are shown in Table 1 and the overall status of Phase II field activities is shown in Table 2.
- In addition to the above field activities, the International Technology Corporation (IT) Analytical Services Laboratory in Cerritos, California is analyzing the second quarter groundwater samples collected from Sites 3-7. Data validation continues for the samplings.
- IT is continuing the preparation of the Operable Unit Reports.

2. Reports Submitted and Meetings

- The Third Quarter 1991 Quarterly Report was submitted on November 15, 1991.
- The Site 9, 35 percent design was submitted on November 15, 1991.
- The Monthly Regulatory Agency Meeting was held on November 6, 1991.
- The TRC Meeting was held on November 6, 1991 at NAS Moffett Field.

NAVAL AIR STATION MOFFETT FIELD, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
NOVEMBER 1991
(Continued)

- The Technical Exchange Meeting between the Navy, NASA and the MEW Companies' representatives was held on November 7, 1991.

3. Problems Encountered and Resolutions

- None

4. Reports and Activities for the December 1991/January 1992 Submittal

- The monthly regulatory agency meetings will be held on December 2, 1991 and January 16, 1992.
- The Technical Exchange Meeting with the Navy, NASA and MEW Companies' representatives will be held on December 6, 1991.
- The Technology Screening Report for OU-4 will be submitted on December 20, 1991.
- Construction bid requests will be announced for Concrete Treatment Pad in January.
- Bid opening for Site 14 Source Control will be held on December 6, 1991.
- Northbase Area Additional Investigations Field Work Plan will be submitted on December 23, 1991.
- Completion of the Aquifer Tests is scheduled for early December.
- IT will continue the development of the Operable Report for Operable Units 2 and 4.

5. Planned Field Activities for December 1991 and January 1992

- IT's projected field activities for December 1991 and January 1992 are shown on Table 3.

6. Key Personnel Changes

- None.

NAVAL AIR STATION MOFFETT FIELD, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
NOVEMBER 1991
(Continued)

7. Chemical Laboratory Data Status Report

- Site 9 Source Control Investigation data was submitted in the Site 9 Field Investigation Technical Memoranda dated October 15, 1991.

8. Percentage of Project Completion

- Phase I tank removal tasks - 100% complete
- Phase I tank location wells - 100% complete
- Phase II tank removal tasks - 100% complete
- Phase II tank location wells - 100% complete
- Final Phases I and II Tank and Sump Report - 100% complete
- Building 29 Field Work Plan - 100% complete
- Building 29 Area Field Investigations - 100% complete
- Final Building 29 Area Report - 100% complete
- Sites 12 and 14 Source Control Evaluations - 100% complete
- Sites 12 and 14 Source Control Field Work Plans - 100% complete
- Site 14 South Field Investigation Technical Memorandum 100% complete
- Sites 12 and 14 Source Control Designs - 100% complete
- Sites 12 and 14 Source Control Specifications - 100% complete
- Site 12 and 14 Construction Activities - 0% Complete
- Final Sites 8 and 9 Source Control Evaluations - 100% complete
- Site 9 Field Work Plan - 100% complete
- Site 9 Field Investigations - 100% complete
- Sites 9 Source Control Designs 35% complete
- Site 9 Source control Investigation Technical Memorandum - 100% complete
- Abandonment of Known Wells - 100% complete

NAVAL AIR STATION MOFFETT FIELD, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
NOVEMBER 1991
(Continued)

- Investigation of Suspect Wells - 100% complete
- IS8 and IS9 Field Work Plans - 100% complete
- IS8 and IS9 Field Investigations - 100% complete
- IS8 and IS9 Report - 100% complete
- Phase II Tank and Sump Soils Profiling - 100% complete
- Phase II Tank and Sump Soil Treatment and Disposal - 20% complete
- Soil Treatability Test Plans - postponed
- Northbase Area Field Investigations - 100% complete
- Northbase Area Field Investigations Report - 100% complete
- Northbase Area Additional Investigations Field Work Plan - 20% complete
- Initial Screening of technologies - OU-4 - 75% complete
- Draft Feasibility Study - OU-4 - 5% complete

**TABLE 1. PHASE II FIELD ACTIVITIES FOR NOVEMBER 1991
NAS MOFFETT FIELD**

SITE	MONITORING WELL SAMPLING	AIR SWAT WELL SAMPLING
1	-	X
2	-	X
3	-	-
4/6/7	-	-
5	-	-
8	-	-
9	-	-

NOTE: X DENOTES ACTIVITY
- DENOTES NO ACTIVITY

**TABLE 2. STATUS OF PHASE II ACTIVITIES AS OF NOVEMBER 30, 1991
NAS MOFFETT FIELD RI/FS**

SITE	CONE PENETROMETER		HYDROPUNCH		SOIL BORINGS		MONITORING WELLS		AIR SWAT AND AQUIFER TEST WELLS	
	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE
1	0	0	0	0	0	0	0	0	7	7
2	0	0	0	0	0	0	0	0	9	9
3	9	9	6	6	3	3	4	4	0	0
4/6/7	14	14	9	9	4	4	11	11	3	3
5	40	40	39	39	24	24	18	18	6	6
8	20	20	18	18	4	4	4	4	2	2
9	47	47	48	48	11	11	33	33	26	26
14	1	1	1	1	0	0	0	0	0	0
TOTAL	131	131	121	121	46	46	70	70	53	51

NOTE: ELEVEN FREE-PRODUCT WELLS ARE INCLUDED IN TOTALS (NINE IN SITE 5 AND TWO IN SITE 9).

NOTE: "PLANNED" REFERS TO THE ITEMS CURRENTLY PLANNED. THIS NUMBER MAY DIFFER FROM THE NUMBER OF ITEMS ORIGINALLY PLANNED.

NOTE: AIR SWAT WELLS ARE ONLY INSTALLED IN SITES 1 AND 2. SEVENTEEN WELLS WERE ORIGINALLY PLANNED, BUT ONE WAS DELETED BECAUSE OF HIGH WATER TABLE. AQUIFER TEST WELLS ARE AT SITES 4 THROUGH 9.

**TABLE 3. PROJECTED FIELD ACTIVITIES FOR DECEMBER 1991 AND JANUARY 1992
NAS MOFFETT FIELD RI/FS**

SITE	LANDFILL GAS WELL INSTALLATION		AQUIFER TEST PUMPING WELL INSTALLATION		AQUIFER TEST OBSERVATION WELL INSTALLATION		PHASE I & II WELL SAMPLING *	
	DECEMBER	JANUARY	DECEMBER	JANUARY	DECEMBER	JANUARY	DECEMBER	JANUARY
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	18
4/6/7	0	0	0	0	0	0	0	32
5	0	0	0	0	0	0	0	20
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	70

* 46 Phase I wells and 24 Phase II wells.