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

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

1. Enclosure (1) is the Installation Restoration Status/Action Report for July 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:

RICHARD SERAYDARIAN  
By direction

Encl:

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

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Typist: M. Marshall, 16 Aug 91, 7/91 MONTH REPORT  
File: MOFFETT/MON RPT

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**NAVAL AIR STATION, MOFFETT FIELD  
INSTALLATION RESTORATION PROGRAM  
MONTHLY STATUS/ACTION REPORT  
JULY 1991**

1. Progress During the Reporting Period

The following activities were accomplished during the reporting period:

- Site 9 field activities continued.
- Final designs for Site 12 were completed.
- Final designs for Site 14 were completed.
- The Site 9 Action Memorandum was completed.
- Revisions to the Building 29 Area Field Investigation Technical Memorandum continued.
- The Tank and Sump Report was completed.
- The North Base Area Investigation Report was completed.
- Quarterly sampling of Navy CLEAN wells occurred.
- Site finishing for suspect agricultural wells continued.
- The third month of the First Quarter sampling of Phase II wells in Sites 3 through 7 was completed in July. No other sampling activity was conducted in July. The Phase II field activities for July 1991 are shown on Table 1, and the overall status of the Phase II activities are shown on Table 2.

2. Reports Submitted and Meetings

- Site 12 Final Designs - July 12, 1991
- Site 14 Final Designs - July 12, 1991
- Final Tank and Sump Report - July 15, 1991
- Draft North Base Area Field Investigation Report - July 18, 1991
- Monthly regulatory agency meeting - July 23, 1991

3. Problems Encountered and Resolutions

- Field activities at Site 9 began on July 8, 1991. Aquifer tests were performed at each of the four proposed extraction wells. Only the well adjacent to Building 45 was able to sustain a significant pumping rate. The remaining three wells were unable to sustain pumping rates greater than 1 gallon per minute and, therefore, it is unlikely that they will be viable as extraction wells for the proposed pump-and-treat system. As result, the Navy explained to the Agencies that several primary assumptions used in choosing air stripping as the preferred remedial alternative for ground-water source control at this site are not holding true. At this time, work can not continue on the 35 percent design. The Navy is presently reviewing the possibility of testing other existing monitoring wells or installing new wells to obtain the volume of water necessary for ground-water source control.

The Navy will begin preparation of a letter detailing the conditions at this site. This letter will (1) describe the problems encountered during field work, (2) explain how these problems effect the use of a pump and treat system for source control, and (3) present alternative actions to be taken at the site.

4. Reports and Activities for the August/September Submittal

- The monthly agency meetings will be held on August 27 and September 25, 1991, at NAS Moffett Field and the RWQCB offices, respectively.
- The NAS Moffett Field open house will be held on August 26, 1991 from 2:00 - 4:00 p.m.
- The NAS Moffett Field meeting will be held on August 27, 1991 from 10:00 - 11:30 a.m.
- Planned field activities for August and September 1991 are shown on Table 4. The activities include the installation of gas monitoring wells at Sites 1 and 2, the sampling of these wells, and the installation of aquifer test wells located at Sites 4, 5, 6, 7, 8, and 9.
- Review of the Aquifer Test Plan will be completed, and the final Aquifer Test Plan will be submitted in August.
- Review of the Air SWAT test plan should be completed, and the final document will be issued in August.

5. Planned Field Activities for August and September

- Field work for Site 9 will be completed.

6. Key Personnel Changes

- None

7. Chemical Laboratory Data Status Report

- None

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
- Sites 12 and 14 Source Control Evaluations - 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 Field Work Plans - 75% complete
- Sites 12 and 14 Source Control Specifications - 100% complete
- Final Sites 8 and 9 Source Control Evaluation - 100% complete
- Abandonment of Known Wells - 100% complete
- Investigation of Suspect Wells - 95% complete
- IS8 and IS9 Field Work Plans - 100% complete
- IS8 and IS9 Report - 100% complete
- Building 29 Field Work Plan - 100% complete
- Site 9 Field Investigations - 80% complete
- Final Building 29 Area Report - 95% complete
- Site 9 Source Control Designs - 20% complete
- Phase II Tank and Sump Soils Profiling - 90% complete
- Soil Treatability Test Plans - 70% complete
- North Area Field Investigations - 100% complete
- North Area Field Investigations Report - 75% complete

TABLE 1. PHASE II FIELD ACTIVITIES FOR JULY 1991  
NAS MOFFETT FIELD

SITE	SOIL BORINGS	WELL INSTALLATION	WELL DEVELOPMENT	WELL SAMPLING
3	-	-	-	X
4/6/7	-	-	-	X
5	-	-	-	X
8	-	-	-	-
9	-	-	-	-

NOTE: X DENOTES ACTIVITY  
- DENOTES NO ACTIVITY

TABLE 2. STATUS OF PHASE II ACTIVITIES AS OF JULY 31, 1991  
NAS MOFFETT FIELD RI/FS

SITE	CONE PENETROMETER		HYDROPUNCH		SOIL BORINGS		WELL INSTALLATION	
	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE
1 & 2	0	0	0	0	0	0	17	0
3	8	8	6	6	3	3	4	4
4/6/7	14	14	9	9	4	4	11	11
5	39	39	39	39	24	24	18	18
8	19	19	17	17	4	4	4	4
9	35	35	39	39	11	11	33	33
TOTAL	115	115	110	110	46	46	87	70

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

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

**TABLE 3**

**JULY 1991 MONTHLY STATUS/ACTION REPORT  
ON INSTALLATION RESTORATION PROGRAM**

**THE ABOVE IDENTIFIED TABLE IS NOT  
AVAILABLE.**

**EXTENSIVE RESEARCH WAS PERFORMED BY  
NAVFAC SOUTHWEST TO LOCATE THIS TABLE.  
THIS PAGE HAS BEEN INSERTED AS A  
PLACEHOLDER AND WILL BE REPLACED  
SHOULD THE MISSING ITEM BE LOCATED.**

**QUESTIONS MAY BE DIRECTED TO:**

**DIANE C. SILVA  
RECORDS MANAGEMENT SPECIALIST  
NAVAL FACILITIES ENGINEERING COMMAND  
SOUTHWEST  
1220 PACIFIC HIGHWAY  
SAN DIEGO, CA 92132**

**TELEPHONE: (619) 532-3676**

TABLE 4. PROJECTED FIELD ACTIVITIES FOR AUGUST AND SEPTEMBER 1991  
NAS MOFFETT FIELD RI/FS

SITE	AIR SWAT WELL INSTALLATION		AQUIFER TEST PUMPING WELL INSTALLATION		AQUIFER TEST OBSERVATION WELL DEVELOPMENT		WELL SAMPLING	
	AUGUST	SEPTEMBER	AUGUST	SEPTEMBER	AUGUST	SEPTEMBER	AUGUST	SEPTEMBER
1 & 2	17	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4/6/7	0	0	0	0	0	3	0	0
5	0	0	0	0	0	6	0	0
8	0	0	0	0	0	2	0	0
9	0	0	0	3	0	22	0	0
TOTAL	17	0	0	3	0	33	0	0