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

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

1. Enclosure (1) is the Installation Restoration Status/Action Report for March 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, March 1991

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NAVAL AIR STATION, MOFFETT FIELD, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS/ACTION REPORT
MARCH 1991

1. Progress During the Reporting Period

The following activities were accomplished during the reporting period:

- Preparation of Phase I and II Tank and Sump Removal Report is continuing.
- Preparation of Building 29 Site Inspection Technical Memorandum is continuing.
- 100% design work for Site 12 is continuing.
- Preparation for the Final Site 14 South Field Investigation Technical Memorandum is continuing.
- 100% design work for Site 14 is continuing.
- The Draft Action Memoranda for Sites 8 and 9 were completed.
- Preparation of the IS8 and IS9 report is continuing.
- Investigations for suspect agricultural wells is continuing.
- Field Work Plan for characterizing Phase II Tank and Sump soil piles was completed.
- Field sampling for characterizing Phase II Tank and Sump soil piles was completed.
- Phase II drilling and soil borings on the east side of Naval Air Station (NAS) Moffett Field at Sites 3, 4, 5, 6 and 7 continued in March. Shallow soil borings were drilled, and monitoring well installation was conducted at all five of the sites. Shallow soil borings at Site 5, including the french drain area, and drilling of the remaining monitoring wells in Site 5 will be completed in April.
- Groundwater level measurements and the remaining groundwater samples that began in February were completed in early March.
- No well blockage removal activities were performed in March, because no abandoned wells were found during investigation of the "suspected" abandoned wells.

2. Reports Submitted and Meetings

- Draft Action Memorandum for Site 8.
- Draft Action Memorandum for Site 9.
- The monthly regulatory agency meeting was held on March 19.

- An information Exchange Meeting with the MEW Companies and their representatives was held at 1:00 p.m. on March 25, 1991, at the Fairchild Building in Mountain View, California.

3. Problems Encountered and Resolutions

- Heavy rains during March delayed the soil boring, drilling, and monitoring well installation activities at Site 5.

4. Reports and Activities for the April/May Submittal

- Site 12 and 14 100% designs will be completed in April.
- Monthly agency meeting will be held on April 23, 1991 at the U.S. Environmental Protection Agency.
- Revision to the Sites 8 and 9 Draft Action Memoranda will be completed May.
- Preparation of the Phase I and II tank and sump removal report will be completed May.
- 35% design for the source controls at Site 9 will continue.
- Preparation of the Draft IS8 and IS9 report will be completed in May.
- Preparation of the Draft Building 29 Area Investigation Technical Memorandum will be completed in May.
- The TRC meeting will be held May 7
- The final Site 14 South Field Investigation Technical Memorandum will be completed in April
- Phase II investigations on the east side of NAS Moffett Field at Site 3, 4, 5, 6 and 7 will be complete in April.
- A significant station-wide groundwater sampling effort will commence near the end of April and run through May.
- A draft final Work Plan for the Air Solid Waste Assessment Test Program at NAS Moffett Field, California, will be available for submittal to the regulatory agencies in late April.
- A Revised Final Phase I Site Characterization Report will be available for submittal to the regulatory agencies in April.

5. Planned Field Activities for April and May

- None

6. Key Personnel Changes

- None

7. Chemical Laboratory Data Status Report

- All laboratory analysis data packages for Phase I and Phase II tank removals and Phase I and II tank location wells have been received. Laboratory reports will be provided in the draft tank removal report.
- Laboratory reports for IS8 and IS9 field work have been received. Results will be submitted in the investigation report.
- Laboratory reports for Building 29 area field work have been received. Results will be submitted in the investigation report.

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
- Phase I and II Field Work Report - approximately 80% complete
- Sites 12 and 14 Source Control Evaluations - 100% complete
- Site 14 South Field Investigation Technical Memorandum 90% complete
- Sites 12 and 14 Source Control Designs - approximately 90% complete
- Site 12 and 14 Source Control Field Work Plans - 20% complete
- Final Sites 8 and 9 Source Control Evaluation - 80% complete
- Abandonment of Known Wells - approximately 100% complete
- Investigation of suspect wells - approximately 60% complete
- IS8 and IS9 Field Work Plans - 100% complete
- IS8 and IS9 Field Work - 100% complete
- IS8 and IS9 Report - 60% complete
- Building 29 Field Work Plan - 100% complete
- Building 29 Field Work - 100% complete
- Building 29 Area Report - 80% complete
- Site 9 Source Control Designs - 10%
- Phase II Tank and Sump Soils Profiling - 60%

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

SITE	SOIL BORINGS	WELL INSTALLATION	WELL DEVELOPMENT	WELL SAMPLING
3	-	-	X	-
4/6/7	-	X	X	-
5	X	X	X	-
8	-	-	-	X
9	-	-	-	X
12	-	-	-	-
14	-	-	-	-

NOTE: X DENOTES ACTIVITY
- DENOTES NO ACTIVITY

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

SITE	CONE PENETROMETER		HYDROPUNCH		SOIL BORINGS		WELL INSTALLATION	
	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE
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	26	9	14	10
8	19	19	17	17	4	6	4	4
9	35	35	39	39	11	11	33	33
15	0	0	0	0	9	0	0	0
16	0	0	0	0	4	0	0	0
TOTAL	115	115	110	110	61	42	66	62

NOTE: FREE PRODUCT WELLS ARE INCLUDED IN TOTALS. ONE WELL AT SITE 9 WAS REMOVED FROM PLANS DUE TO LOCATION CONSTRAINTS.

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

**TABLE 3. STATUS OF KNOWN AND SUSPECTED ABANDONED WELL CLOSURE
AS OF MARCH 31, 1991, NAVAL AIR STATION MOFFETT FIELD**

KNOWN ABANDONED WELLS

<u>Well</u>	<u>Status</u>
12N01	Well not located and may not exist. No further activity planned.
14M	Well not located and may not exist. Further investigation ongoing.
14M01	Well closed in November 1990. Surface restoration to be completed.
14M02	Well closed in November 1990. Surface restoration to be completed.
23A01	Well location determined to be off Navy property. No further activity planned.

SUSPECT ABANDONED WELLS

SW-1	Excavation at suspected well location not yet begun. Scheduled for April 1991.
SW-2	No well found at suspected location. Surface restoration is ongoing.
SW-5	No well found at suspected location. Surface restoration is ongoing.
SW-7	No well found at suspected location. No further action is planned.
SW-10	Excavation at suspected well location not yet begun. Scheduled for May 1991.
SW-11	No well found at suspected location. No further action planned.
13D	Excavation at suspected well location not yet begun. Scheduled for April 1991.
14A	No well found at suspected location. Surface restoration is ongoing.
14C	Excavation at suspected well location not yet begun. Scheduled for April/May 1991.

TABLE 4. MARCH 1991 NAS MOFFETT FIELD MEETINGS

Date	Location	Attendees	Topic/Comments
03/19/91	NAS Moffett Field	Steve Anschutz (Moffett) Su Don Tu (Moffett) Don Chuck (Moffett) Melich Obzilgn (JMM) Paul Ko (WESTDIV) Tom Adkisson (PRC EMI) Josh Marvil (PRC EMI) Dennis Robinson (IT) Cathy McDade (CDM/FPC) Ken Black (CDM/FPC) Lewis Mitani (EPA) Steve Chao (WESTDIV) Cyrus Shabahari (DHS) Wil Bruhns (RWQCB) Joe LeClaire (JMM)	Monthly Status and Progress Meeting
03/25/91	Fairchild Building Mountain View, CA	Representatives of NAS Moffett Field, WESTDIV, Raytheon, Fairchild/Schlumberger, and NASA, including contractors and attorneys.	Information exchange with MEW Companies, Navy, and NASA.
03/28/91	WESTDIV San Bruno, CA	Representatives from WESTDIV, JMM Inc., IT Corp., and PRC EMI	Navy/Contractors technical meeting for information exchange.

TABLE 5. PROJECTED FIELD ACTIVITIES FOR APRIL AND MAY 1991
NAS MOFFETT FIELD RI/FS

SITE	SOIL BORINGS		WELL INSTALLATION		WELL DEVELOPMENT		WELL SAMPLING	
	APRIL	MAY	APRIL	MAY	APRIL	MAY	APRIL	MAY
3	0	0	0	0	2	0	0	19
4/6/7	0	0	0	0	5	0	0	28
5	5	0	5	0	14	0	0	27
8	0	0	0	0	0	0	0	10
9	0	0	0	0	0	0	22	20
12	0	0	0	0	0	0	0	3
14	0	0	0	0	0	0	6	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
MEW WELLS	0	0	0	0	0	0	0	15
*ADDITIONAL WELLS	0	0	0	0	0	0	0	12
TOTAL	5	0	5	0	21	0	28	134

* ADDITIONAL WELLS MAY BE SAMPLED IF APPROVED, INCLUDING 4 MEW WELLS AND 8 CLEAN WELLS.