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Ser T4A/L4106
27 Jan 1994

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

Subj: INSTALLATION RESTORATION PROGRAM MONTHLY STATUS REPORT FOR
NAVAL AIR STATION, MOFFETT FIELD

Encl: (1) Installation Restoration Monthly Status Report, December 1993

1. Enclosure (1) is provided for your use and information.
2. Should you have any questions regarding this matter, I can be reached at (415) 244-2516.

Original signed by:

CAMILLE GARIBALDI
By direction

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1990

5090
Ser T4A1/L4106
27 Jan 1994

**Subj: INSTALLATION RESTORATION PROGRAM MONTHLY STATUS REPORT FOR
NAVAL AIR STATION, MOFFETT FIELD**

Blind copy to:
NAS Moffett Field (Attn: LT Openshaw, Code 189)
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Writer: C. Garibaldi, T4A1, X2516
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**NAVAL AIR STATION MOFFETT FIELD, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
December 1993**

1. Progress During the Report Period

The following activities were accomplished during the reporting period:

- The Federal Facilities Agreement (FFA) (including revised schedules) was finalized.
- Completed the Draft OU 1 Additional Field Investigation Technical Memorandum.
- Completed the Petroleum Sites Additional Investigation Field Work Plan.
- Completed excavation of Site 12 soils.
- Completed the December 1993 quarterly sampling activities which involved approximately 68 wells, primarily on the eastern side of NAS Moffett Field.
- Continued revisions to the Draft Final OU 1 Feasibility Study (FS) Report and Proposed Plan.
- Continued site-wide ecological assessment (SWEA) activities and preparation of the Draft Phase I SWEA Investigation Report.
- Continued preparation of the Draft OU 6 Remedial Investigation (RI) Report.
- Continued remedial design activities and coordination for Operable Unit 2-West.
- Continued revisions to the Draft Final Proposed Plan for Operable Unit 2 East.
- Continued preparation of the Draft OU 5 FS Report and Proposed Plan
- Started construction of the Site 9 source control measure.

2. Reports Submitted and Meetings

Meetings:

- A project manager/regulatory agency meeting was held at 1:00 pm on December 7, 1993 at EPA in San Francisco.

- A technical exchange meeting was held at 9:30 am on December 8, 1993 at the offices of Canonic environmental Services, Inc. in Mountain View.

Submittals:

- The petroleum sites Additional Investigation Field Work Plan was submitted December 17, 1993.
- The Draft OU 1 Additional Field Investigation Technical Memorandum was submitted December 29, 1993.

3. Problems Encountered and Resolutions

- Issues regarding future land use assumptions, risk exposure scenarios, and cleanup levels are still being resolved. Resolution of these issues are necessary in order to complete the petroleum corrective action plan activities.

4. Reports and Activities for the January/February Submittal

- The next project manager/regulatory agency meeting is scheduled for 9:00 a.m. on February 1, 1994 at the Department of Toxic Substance Control in Berkeley.
- The Draft Operable Unit 6 Remedial Investigation Report is scheduled for submittal January 14, 1994.
- The petroleum sites additional investigation field work is scheduled to begin January 24, 1994.
- The Revised Final Petroleum Sites Characterization Report is scheduled for submittal January 31, 1994.
- The Draft Final OU 1 Feasibility Study Report and Proposed Plan are scheduled for submittal February 1, 1994.
- The Draft OU 5 Feasibility Study Report and Proposed Plan are scheduled for submittal February 18, 1994.
- The Draft Final Additional Investigation of Inferred Sources Report

5. Key Personnel Changes

- None

6. Chemical Laboratory Data Status Report

- Laboratory data from the May/June and September/October quarterly sampling of CLEAN wells, from SWEA field investigations, additional investigations of inferred sources, and additional investigation at OU 1 are being validated and entered in the CLEAN database.

7. Percentage of Project Completion

	<u>ACTIVITY/DELIVERABLE</u>	<u>PERCENTAGE COMPLETE</u>	<u>DATE DELIVERED/ DATE DUE</u>
OU 1			
-	Draft Remedial Investigation Report OU 1	100%	November ,1992
-	Draft Final Remedial Investigation Report OU 1	100%	March 4, 1993
-	Final Remedial Investigation Report OU 1	100%	June 7, 1993
-	Initial Screening of Technologies Report OU 1	100%	October 30, 1992
-	Draft Feasibility Study Report for OU 1	100%	April 27, 1993
-	Draft Proposed Plan for OU 1	100%	April 27, 1993
-	Draft Additional Field Investigation Technical Memorandum for OU 1	100%	December 29, 1993
-	Draft Final Feasibility Study Report for OU 1	20%	February 1, 1994
-	Draft Final Proposed Plan for OU 1	20%	February 1, 1994
OU 2			
-	Draft Remedial Investigation Report OU 2	100%	April 1, 1992

- Draft Final Remedial Investigation Report OU 2	100%	August 1, 1992
- Final Remedial Investigation Report OU 2	100%	May 1, 1993
- Initial Screening of Technologies OU 2	100%	April 1, 1992 (Draft)
- Draft Feasibility Study OU 2	100%	October 1, 1992
- Draft Proposed Plan OU 2	100%	May 1993
- Draft Final Proposed Plan OU 2-East	10%	March 1, 1994
- Draft RD/RA Work Plan for OU 2-WEST	100%	April 9, 1993
- Draft Final RD/RA Work Plan for OU 2-WEST	100%	July 16, 1993
- Final RD/RA Work Plan for OU 2-WEST	100%	August 16, 1993

OU 4 AND WEST-SIDE AQUIFER

- Draft Remedial Investigation Report OU 4	100%	April 1, 1992
- Draft Final Remedial Investigation Report OU 4	100%	October 16, 1993
- Final West-Side Aquifer Characterization Report	100%	March 1993
- Initial Screening of Technologies OU 4	100%	March 20, 1992 (Draft)
- Draft Feasibility Study OU 4	100%	August 3, 1992
- OU 4 Field Work Plan	100%	April 9, 1992
- OU 4 Field Work	100%	
- Draft West-Side Aquifer Field Investigation Technical Memorandum	100%	March 16, 1993
- Final West-Side Aquifer Field Investigation Technical Memorandum	90%	March 31, 1994
- Draft RD/RA Work Plan for West-Side Aquifer Source Remediation	100%	May 28, 1993

- Draft Final RD/RA Work Plan for West-Side Aquifer Source Remediation 100% August 27, 1993
- Final RD/RA Work Plan for West-Side Aquifer Source Remediation 100% October 1, 1993

OU 5

- Draft Remedial Investigation Report OU 5 100% March 31, 1993
- Draft Final Remedial Investigation Report OU 5 100% August 2, 1993
- Final Remedial Investigation Report OU 5 100% December 17, 1993
- Draft Feasibility Study Report OU 5 50% February 18, 1994
- Draft Proposed Plan OU 5- 50% February 18, 1994

OU 6

- OU 6 Draft Field Work Plan (subsequent submittals included with Site-Wide Ecological Assessment) 100% July 3, 1994
- Draft OU 6 Remedial Investigation Work Plan (for human health risk assessment) 100% July 1, 1993
- Draft Final OU 6 Remedial Investigation Work Plan (for human health risk assessment) 100% October 1, 1993
- Final OU 6 Remedial Investigation Work Plan (for human health risk assessment) 80% November 18, 1993
- Draft OU 6 Remedial Investigation Report 80% January 14, 1994

PHASE I AND II

- Phase I tank removal tasks 100% April 27, 1990
- Phase I tank location wells 100% August 1990
- Phase II tank removal tasks 100% July 26, 1990

- Phase II tank location wells	100%	December 1990
- Draft Phases I and II Tank and Sump Report	100%	April 30, 1991
- Final Phases I and II Tank and Sump Report	100%	July 15, 1991
- Phase II Tank and Sump Soils Profiling	100%	
- Phase II Tank and Sump Soil Disposal	100%	
- Additional Tank and Sump Investigations Field Work Plan	100%	April 9, 1992
- Additional Tank and Sump Investigations	100%	May 1992
- Draft Additional Tank and Sump Field Investigation Technical Memorandum	100%	December 22, 1992
- Final Additional Tank and Sump Field Investigation Technical Memorandum	100%	March 22, 1993

BUILDING 29

- Building 29 Field Work Plan	100%	November 5, 1990
- Building 29 Area Field Investigations	100%	December 1990
- Draft Building 29 Area Report	100%	April 15, 1991 (Tech Memo)
- Final Building 29 Area Report	100%	August 23, 1991 (Tech Memo)

SITES 8 AND 9

- Sites 8 and 9 Source Control Evaluations (Action Memoranda)	100%	May 2, 1991
- Sites 8 and 9 Source Control Evaluations	100%	
- Site 9 Field Work Plan	100%	June 3, 1991
- Site 9 Field Investigations	100%	(began) July 8, 1991

- **Draft Site 9 Source Control Investigation Technical Memorandum** 100% October 4, 1991
- **Final Site 9 Source Control Investigation Technical Memorandum** 100% April 15, 1992
- **Site 9 Source Control Designs** 100% May 8, 1992

SITES 12 AND 14

- **Sites 12 and 14 Source Control Evaluations (Action Memorandum)** 100% September 1, 1990
- **Sites 12 and 14 Source Control Evaluations** 100%
- **Draft Site 14 South Field Investigation Technical Memorandum** 100%
- **Final Site 14 South Field Investigation Technical Memorandum** 100% April 12, 1990
- **Sites 12 and 14 Source Control Designs** 100% April 5, 1991
- **Sites 12 and 14 Source Control Specifications** 100% July 12, 1991

IS8 AND IS9

- **IS8 and IS9 Field Work Plans** 100% October 1, 1990 final)
- **IS8 and IS9 Field Investigations** 100% March 28, 1991
- **IS8 and IS9 Reports** 100% May 10, 1991

NORTH BASE AREA

- **North Base Area Field Investigations** 100% April 1, 1991
- **North Base Area Field Investigations Report** 100% July 18, 1991 (draft)
- **North Base Area Additional Investigations Field** 100% February 6, 1992 Final)

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INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT

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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

- Investigation of Suspect Wells 100%
- Technical Memorandum on Geology and Hydrogeology 100% July 1, 1992 (final)
- Draft Preliminary Assessment/Site Inspection (PA/SI) Work Plan 100% June 14, 1993
- Draft Final Additional Investigation of Inferred Sources (formerly PA/SI) Work Plan 100% August 9, 1993
- Final Additional Investigation of Inferred Sources (formerly PA/SI) Work Plan 100% September 10, 1993
- Draft Additional Investigation of Inferred Sources Report 100% November 22, 1993
- Draft Final Additional Investigation of Inferred Sources Report 50% February 21, 1994
- Draft Horizontal Conduit Study Work Plan 100% May 28, 1992
- Final Horizontal Conduit Study Work Plan 100% July 2, 1993
- Draft Horizontal Conduit Study Phase I Report and and Phase II Field Work Plan Amendment 100% November 5, 1993

PETROLEUM SITES

- Draft Petroleum Cleanup Site Characterization Report 100% July 2, 1993
- Final Petroleum Cleanup Site Characterization Report 100% October 1, 1993
- Draft Petroleum Cleanup Corrective Action Plan 100% October 1, 1993
- Petroleum Sites Additional Investigations Field Work Plan 100% December 17, 1993
- Revised Final Petroleum Sites Characterization Report 50% January 31, 1994