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

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

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Original signed by:

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**NAVAL AIR STATION MOFFETT FIELD, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
August 1993**

1. Progress During the Report Period

The following activities were accomplished during the reporting period:

- Completed additional revisions to the Federal Facilities Agreement (FFA) language and schedules.
- Completed the Draft Final Additional Investigation of Inferred Sources Field Work Plan.
- Completed the Draft Final Remedial Design/Remedial Action (RD/RA) Work Plan for Operable Unit (OU) 2-West.
- Completed the Draft Final Work Plan for West-Side Aquifer Source Remediation.
- Continued revisions of the OU 6 Baseline Human Health Risk Assessment Work Plan.
- Continued revisions to the Draft Final OU 5 Remedial Investigation (RI) Report.
- Continued preparation of the Draft OU 5 Feasibility Study (FS) Report and Proposed Plan.
- Continued preparation of the Final RD/RA Work Plan for West-Side Aquifer Source Remediation.
- Continued preparation of the Final Field Work Plan for Additional Investigations of Inferred Sources.
- Continued preparation of the Final Petroleum Cleanup Site Characterization Plan and the Draft Petroleum Cleanup Corrective Action Plan.
- Continued horizontal conduit study activities.
- Continued site-wide ecological assessment activities.

2. Reports Submitted and Meetings

Meetings:

- A NAVY/NASA/MEW/Regulatory Agency technical exchange meeting was held August 18, 1993 at the offices of Canonic Environmental Services, Inc. in Mountain View.

Submittals:

- The Draft Final Additional Investigation of Inferred Sources Field Work Plan was submitted August 6, 1993.
- The Final RD/RA Work Plan for OU 2-West was submitted August 13, 1993.
- The Draft Final Work Plan for West-Side Aquifer Source Remediation was submitted August 27, 1993.

3. Problems Encountered and Resolutions

- The Site 14 South source control measure was temporarily shut down during August 1993 for replacement of in-line filters and routine maintenance.
- Issues regarding future land use assumptions, risk exposure scenarios, and cleanup levels are still not resolved. Resolution of these issues is necessary in order to finalize the OU 5 FS Report and the Petroleum Corrective Action Plan.

4. Reports and Activities for the August/September Submittal

- A Technical Review Committee (TRC) meeting is scheduled for 9:00 am on October 4, 1993 at Building 23, NAS Moffett Field.
- An Open House is scheduled from 4:00 to 8:00 pm on October 5, 1993 at the Eagles and Anchors Club, NAS Moffett Field.
- The next project manager/regulatory agency meeting is tentatively scheduled for October 19, 1993 (time and location to be determined).
- A technical exchange meeting is scheduled for 9:30 am on October 20, 1993 at the offices of Canonic Environmental Services, Inc. in Mountain View.
- The Draft Final OU 5 RI Report will be submitted September 11, 1993.
- The Final Additional Investigation of Inferred Sources Field Work Plan will be submitted September 24, 1993.
- The Final RD/RA Work Plan for West-Side Aquifer Source Remediation will be submitted September 24, 1993.
- The Draft Final OU 6 Baseline Human Health Risk Assessment Work Plan will be submitted October 1, 1993.
- The Draft OU 5 Feasibility Study Report and Proposed Plan will be submitted October 1, 1993.
- The Final Petroleum Cleanup Site Characterization Plan will be submitted October 1, 1993.

- The Draft Petroleum Cleanup Corrective Action Plan will be submitted October 1, 1993.
- Quarterly sampling activities are scheduled to begin September 16, 1993.
- Field work for Additional Investigations of Inferred Sources and OU 1/OU 5 Additional Characterization will be conducted in September 1993.

5. Key Personnel Changes

- None

6. Chemical Laboratory Data Status Report

- Laboratory data from the May/June quarterly sampling of Navy CLEAN wells are being validated and entered in the Navy CLEAN database.
- Laboratory data from additional site investigations, west-side aquifer investigations, and tank and sump investigations have been validated and entered into the database.

7. Percentage of Project Completion

<u>ACTIVITY/DELIVERABLE</u>	<u>PERCENTAGE COMPLETE</u>
OU 1	
• Draft Remedial Investigation Report OU 1	100%
• Draft Final Remedial Investigation Report OU 1	100%
• Final Remedial Investigation Report OU 1	100%
• Initial Screening of Technologies Report OU 1	100%
• Draft Feasibility Study Report for OU 1	100%
• Draft Proposed Plan for OU 1	100%
• Draft Final Feasibility Study Report for OU 1	20%
• Draft Final Proposed Plan for OU 1	20%
OU 2	
• Draft Remedial Investigation Report OU 2	100%
• Draft Final Remedial Investigation Report OU 2	100%
• Final Remedial Investigation Report OU 2	100%

- Initial Screening of Technologies OU 2 100%
- Draft Feasibility Study OU 2 100%
- Revised Draft Feasibility Study OU 2 20%
- Draft Proposed Plan OU 2 100%
- Revised Draft Proposed Plan OU 2 100%
- OU 2 Field Work Plan 80%
- Draft RD/RA Work Plan for OU 2-WEST 100%
- Draft Final RD/RA Work Plan for OU 2-WEST 100%
- Final RD/RA Work Plan for OU 2-WEST 100%

OU 4 AND WEST-SIDE AQUIFER

- Draft Remedial Investigation Report OU 4 100%
- Draft Final Remedial Investigation Report OU 4 100%
- Final West-Side Aquifer Characterization Report 100%
- Initial Screening of Technologies OU 4 100%
- Draft Feasibility Study OU 4 100%
- Draft Proposed Plan OU 4 100%
- OU 4 Field Work Plan 100%
- OU 4 Field Work 100%
- Draft West-Side Aquifer Field Investigation Technical Memorandum 100%
- Final West-Side Aquifer Field Investigation Technical Memorandum 90%
- Draft RD/RA Work Plan for West-Side Aquifer Source Remediation 100%
- Draft Final RD/RA Work Plan for West-Side Aquifer Source Remediation 100%
- Final RD/RA Work Plan for West-Side Aquifer Source Remediation 50%

OU 5

- Draft Remedial Investigation Report OU 5 100%
- Draft Final Remedial Investigation Report OU 5 90%

- Draft Feasibility Study Report OU 5 50%
- Draft Proposed Plan OU 5 80%

OU 6

- OU 6 Draft Field Work Plan (subsequent submittals included with Site-Wide Ecological Assessment) 100%
- Draft OU 6 Remedial Investigation Work Plan (for human health risk assessment) 100%
- Draft Final OU 6 Remedial Investigation Work Plan (for human health risk assessment) 80%

PHASE I AND II

- Phase I tank removal tasks 100%
- Phase I tank location wells 100%
- Phase II tank removal tasks 100%
- Phase II tank location wells 100%
- Draft Phases I and II Tank and Sump Report 100%
- Final Phases I and II Tank and Sump Report 100%
- 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%
- Additional Tank and Sump Investigations 100%
- Draft Additional Tank and Sump Field Investigation Technical Memorandum 100%
- Final Additional Tank and Sump Field Investigation Technical Memorandum 100%

BUILDING 29

- Building 29 Field Work Plan 100%
- Building 29 Area Field Investigations 100%

- Draft Building 29 Area Report 100%
- Final Building 29 Area Report 100%

SITES 8 AND 9

- Sites 8 and 9 Source Control Evaluations (Action Memoranda) 100%
- Sites 8 and 9 Source Control Evaluations 100%
- Site 9 Field Work Plan 100%
- Site 9 Field Investigations 100%
- Draft Site 9 Source Control Investigation Technical Memorandum 100%
- Final Site 9 Source Control Investigation Technical Memorandum 100%
- Site 9 Source Control Designs 100%

SITES 12 AND 14

- Sites 12 and 14 Source Control Evaluations (Action Memorandum) 100%
- 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%
- Sites 12 and 14 Source Control Designs 100%
- Sites 12 and 14 Source Control Specifications 100%

IS8 AND IS9

- IS8 and IS9 Field Work Plans 100%
- IS8 and IS9 Field Investigations 100%
- IS8 and IS9 Reports 100%

NORTH BASE AREA

- North Base Area Field Investigations 100%
- North Base Area Field Investigations Report 100%

- North Base Area Additional Investigations Field Work Plan 100%
- North Base Area Additional Investigations 100%

ADDITIONAL SITE INVESTIGATION

- Additional Site Investigation Field Work Plan 100%
- Additional Site Investigations 100%
- Draft Site Investigation Report 100%
- Draft Final Site Investigation Report 100%
- Additional Site Investigation Field Work Plan Amendment 80%

SITE-WIDE

- Site-Wide Quality Assurance Project Plan 100%
- Site-Wide Field Sampling Plan 100%
- Site-Wide Health and Safety Plan 100%
- Site-Wide Ecological Assessment Draft Final Field Work Plan 100%
- Site-Wide Ecological Assessment Final Field Work Plan 100%

MISCELLANEOUS

- Abandonment of Known Wells 100%
- Investigation of Suspect Wells 100%
- Technical Memorandum on Geology and Hydrogeology 100%
- Draft Preliminary Assessment/Site Inspection (PA/SI) Work Plan 100%
- Draft Final Additional Investigation of Inferred Sources (formerly PA/SI) Work Plan 100%
- Final Additional Investigation of Inferred Sources (formerly PA/SI) Work Plan 75%
- Draft Horizontal Conduit Study Work Plan 100%
- Final Horizontal Conduit Study Work Plan 100%

PETROLEUM SITES

- Draft Petroleum Cleanup Site Characterization Report 100%
- Final Petroleum Cleanup Site Characterization Report 50%
- Draft Petroleum Corrective Action Plan 50%