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To: Distribution

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

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

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Original signed by:

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

1. Progress During the Report Period

The following activities were accomplished during the reporting period:

- Completed the Final Remedial Design/Remedial Action (RD/RA) Work Plan for West-Side Aquifer Source Remediation.
- Completed the Draft Final OU 6 Baseline Human Health Risk Assessment Work Plan.
- Completed the Draft OU 5 Proposed Plan.
- Completed the Final Petroleum Cleanup Site Characterization Plan.
- Completed the Draft Petroleum Cleanup Corrective Action Plan.
- Completed contractor negotiations for the Site 9 source control measure and started construction in mid-October 1993.
- Completed quarterly sampling activities for September/October 1993.
- Continued horizontal conduit study activities and preparation of the Phase I Report and Phase II Field Work Plan.
- Continued site-wide ecological assessment activities (SWEA) and preparation of the Draft Phase I SWEA Investigation Report.
- Continued remedial design activities and coordination for Operable Unit 2-West.
- Initiated revisions to the Draft Final Proposed Plan for Operable Unit 2-East.

2. Reports Submitted and Meetings

Meetings:

- A Technical Review Committee (TRC) meeting was held October 4, 1993 at NAS Moffett Field.
- An Open House was held October 5, 1993 at NAS Moffett Field.
- A project manager/regulatory agency meeting was held October 19, 1993 at the offices of the Regional Water Quality Control Board.

Submittals:

- The Final RD/RA Work Plan for West-Side Aquifer Source Remediation was submitted October 1, 1993.
- The Draft Final OU 6 Baseline Human Health Risk Assessment Work Plan was submitted October 1, 1993.
- The Draft OU 5 Proposed Plan was submitted October 1, 1993.
- The Final Petroleum Cleanup Site Characterization Plan was submitted October 1, 1993.
- The Draft Petroleum Cleanup Corrective Action Plan was submitted October 1, 1993.

3. Problems Encountered and Resolutions

- 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 move forward with OU 5 and petroleum corrective action plan activities.

4. Reports and Activities for the November/December Submittal

- The next project manager/regulatory agency meeting is scheduled for 9:30 am on November 10, 1993 at WESTNAVFACENGCOM in San Bruno.
- The Final OU 6 Baseline Human Health Risk Assessment Work Plan is scheduled for submittal November 18, 1993.
- A technical exchange meeting is scheduled for 9:30 am on December 8, 1993 at the offices of Canonie Environmental Services, Inc. in Mountain View.
- The Draft Additional Investigations of Inferred Sources Report is scheduled for submittal November 22, 1993.
- The Draft Phase I SWEA Investigation Report is scheduled for submittal November 22, 1993.
- The Draft Operable Unit 6 Remedial Investigation Report is scheduled for submittal December 15, 1993.
- The horizontal conduit study Phase I Report and Phase II Field Work Plan is scheduled for submittal November 5, 1993.
- The final Petroleum Cleanup Corrective Action Plan is scheduled for submittal December 31, 1993 (may be delayed due to late receipt of comments).
- Quarterly sampling activities are scheduled to resume on December 6, 1993.

- Excavation and remediation of Site 12 soils and remediation of NEX gas station soils is scheduled for completion by November 30, 1993.

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 and from SWEA field investigations are being validated and entered in the CLEAN database.
- Data are being received from additional investigations of inferred sources and additional investigations at OU 1. These data will also be 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-East 100%
- Draft Final Proposed Plan OU 2-East 10%
- 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 100%

OU 5

- Draft Remedial Investigation Report OU 5 100%
- Draft Final Remedial Investigation Report OU 5 100%
- Draft Feasibility Study Report OU 5 50%
- Draft Proposed Plan OU 5 100%

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) 100%
- Final OU 6 Remedial Investigation Work Plan (for human health risk assessment) 80%
- Draft OU 6 Remedial Investigation Report 30%

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%
- Draft Phase I Site-Wide Ecological Assessment Investigation Report 60%

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 Investigations of Inferred Sources (formerly PA/SI) Work Plan 100%
- Final Additional Investigations of Inferred Sources (formerly PA/SI) Work Plan 100%
- Draft Additional Investigations of Inferred Sources Report 30%
- 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 100%
- Draft Petroleum Cleanup Corrective Action Plan 100%