

SOUTHWESTNAVFACENGCOM
BRAC Operations Office
Code 06CC.LMH
Telephone: (619) 532-0783/Fax (619) 532-0780

File: clapril2002statusrpt.doc

Transmittal

Date: 25 April 2002

From: Lynn Marie Hornecker

To: **Marianna Potacka**
BRAC Environmental Coordinator
Southwest Division, Naval Facilities Engineering Command
BRAC Operations Office
1220 Pacific Highway
San Diego, California 92132-5190

James Barton
California Regional Water Quality Control Board
Central Valley Region, Sacramento Office
3443 Routier Road, Suite A
Sacramento, California 95827-3003

Francesca D'Onofrio
California Department of Toxic Substances Control
Office of Military Facilities
8800 Cal Center Drive
Sacramento, California 95826

Subj: Status Report for Various Environmental Restoration Program Projects
National Aeronautics and Space Administration (NASA)
Crows Landing Flight Facility

The purpose of this status report is to provide an update on work in progress.

Underground Storage Tank (UST) Program

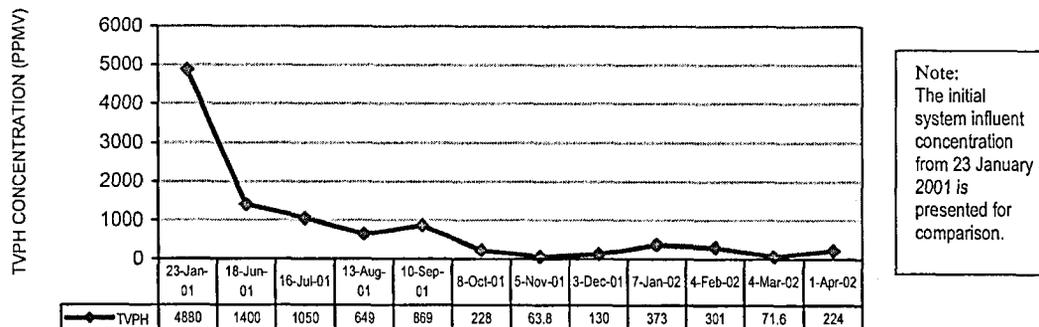
UST Cluster 1 – Tanks CL-1, CL-2, and CL-3

UST Cluster 1 is located adjacent to Installation Restoration Program (IRP) Site 17 (Site 17) – the Demolished Hangar Area. Fifty-seven (57) individual vapor extraction wells were tested during the period from August 2000 through January 2001. Optimization activities are in progress using selected vapor extraction wells, and one portable Soil Vapor Extraction (SVE) treatment unit is in use at the site. The most recently collected Total Volatile Petroleum Hydrocarbon (TVPH) concentration measurements are shown in Table 1 and Chart 1. *As of mid-April 2002, approximately 21,660 pounds of TVPH, 93 pounds of xylenes, 16 pounds of toluene, 3 pounds of ethylbenzene, and 2 pounds of benzene have been removed from the vadose zone at UST Cluster 1.*

Table 1. PRELIMINARY Data for Soil Vapor Extraction (SVE) Optimization Activities at Underground Storage Tank (UST) Cluster 1

| Well ID | Screened Interval (feet below ground surface) | Well Diameter (inches) | Estimated Radius of Influence in Feet (at 0.1 inch of water /at 0.5 inch of water) | Influent Vapor Concentration TVPH (ppmv) [combined influent from ten extraction wells] | Comments or Date of Sampling Event |
|------------------------------------|---|------------------------|--|--|------------------------------------|
| <i>Optimization 18 June 2001--</i> | | | | | |
| CL1-VW-02 (S) | 15 - 25 | 2 | 90/10 | 1,400 | 18 June 2001 |
| CL1-VW-02(D) | 40 - 55 | 4 | 70/25 | | |
| CL1-VW-10 (M) | 38 - 43 | 2 | 80/25 | | |
| CL1-VW-11 (M) | 38 - 43 | 2 | 70/15 | | |
| CL1-VW-11 (D) | 46 - 56 | 4 | 110/40 | | |
| CL1-VW-12 (D) | 45 - 55 | 4 | 120/45 | | |
| CL1-VW-13 (D) | 46 - 56 | 4 | 100/55 | | |
| CL1-VW-20 (M) | 27 - 32 | 4 | 85/40 | | |
| CL1-SV-01 (A) | 20 - 30 | 2 | 65/20 | | |
| CL1-SV-01 (C) | 46 - 60 | 4 | 65/35 | | |
| " | | | | 1,050 | 16 July 2001 |
| " | | | | 649 | 13 August 2001 |
| " | | | | 869 | 10 September 2001 |
| " | | | | 228 | 8 October 2001 |
| | | | | 63.8 | 5 November 2001 |
| | | | | 130 | 3 December 2001 |
| | | | | 373 | 7 January 2002 |
| | | | | 301 | 4 February 2002 |
| | | | | 71.6 | 4 March 2002 |
| | | | | 224 | 1 April 2002 |

Chart 1. Total Volatile Petroleum Hydrocarbon (TVPH) Concentrations at UST Cluster 1 Selected Influent Concentrations from the Group of Vapor Extraction Wells (Preliminary Data Available As Of April 2002)



UST Cluster 2, UST 109, UST 117, and UST CL-40

Data is in the process of being evaluated and compiled for closure documents.

Installation Restoration Program

Site 11 – Former Disposal Pits Area

The Navy began addressing regulatory review comments on the Site 11 feasibility study report in February 2002. Advance comments were received from DTSC in mid-April 2002, and the Navy is in the process of addressing the comments.

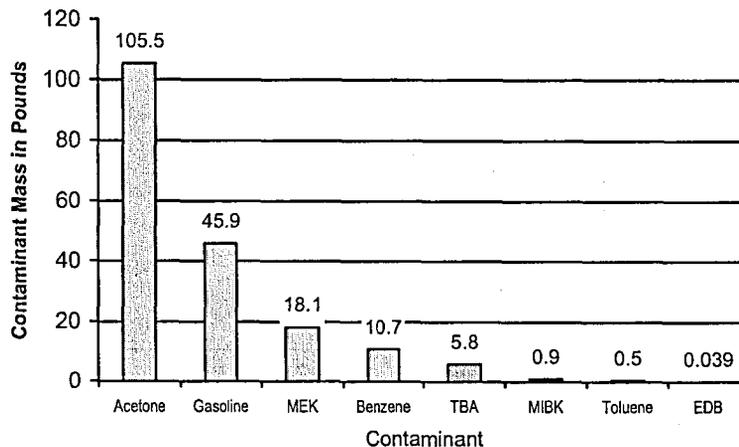
Site 11A - Current and Former Sewer Systems

The Navy substantially completed the evaluation of additional geophysical survey data for the oxidation ponds of the original (former) sewage plant. Several additional subsurface anomalies were identified, and the Navy is planning for future exploration of the anomalies.

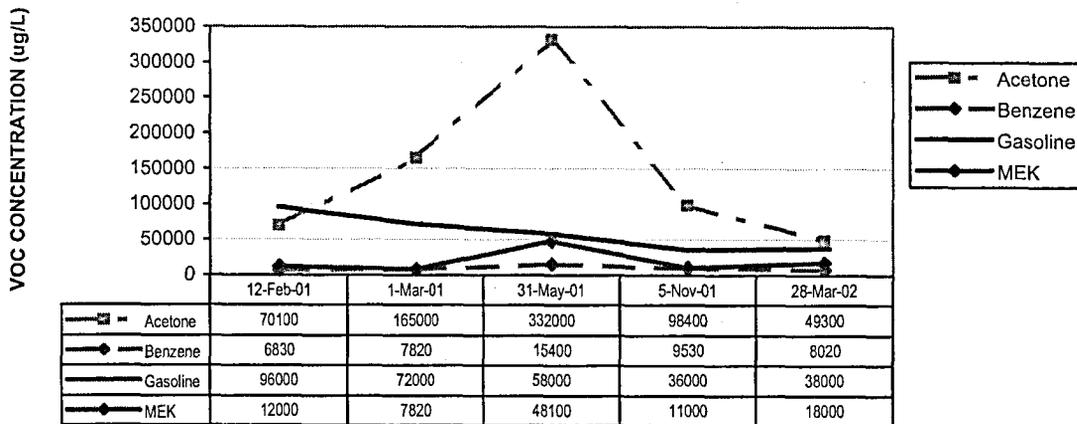
Site 17 – Demolished Hangar Area and Administration Area Plume

Groundwater extraction continued in the vicinity of the former dry well and near former UST Site 117. Chart 2 shows contaminant mass removal estimates for groundwater extracted from the vicinity of the former dry well source area within UST Cluster 1 at the southern section of the Administration Area Plume. Approximately 95,000 gallons of groundwater have been extracted from well CL1-EX-01 as of early April 2002. *More than 180 pounds of contaminant mass (primarily acetone and gasoline) have been removed from the former dry well vicinity since groundwater extraction activities began.* Chart 3 shows selected VOC concentrations at well CL1-EX-01.

Chart 2. Contaminant Mass Removal Estimates for Groundwater Extracted near the Former Dry Well For the Period from December 2000 until early April 2002 (CL1-EX-01 and other wells)



**Chart 3. Selected Volatile Organic Compound (VOC) Concentrations at Well CL1-EX-01.
 February 2001 through March 2002**



The Navy is in the process of re-evaluating remedial alternatives and revising the feasibility study for IRP Site 17.

Drilling activities continued in April 2002. Drilling of the second deep boring, located downgradient from the Administration Area Plume, began on 17 April 2002 and was completed on 24 April 2002. The boring was advanced to an approximate depth of 377 feet below ground surface. One mid-deep monitoring well and one deep monitoring well have been constructed with the sonic drilling rig as of 25 April 2002; well development and sampling activities will be completed soon. Eight (8) shallow and mid-shallow monitoring wells were constructed with a hollow-stem auger drilling rig in February and March 2002.

The Navy plans to continue plume delineation activities at the southwestern section of the Plume with direct-push technology sampling tentatively scheduled to begin in early May 2002. Plume delineation activities commenced during the year 2001, and all data that was collected during the year 2001 will be considered in identifying sample locations for the May 2002 activities. Samples will be collected from the vicinity west of existing monitoring wells CL1-MW-14(S) & CL1-MW-14(MS).

Other Projects

Groundwater Sampling

The annual groundwater monitoring report was issued on 18 April 2002. Compilation of data from the February 2002 sampling event is in progress.

Community Relations Program

A fact sheet with an update on environmental restoration program projects was issued in early April 2002. Approximately 160 copies were mailed.

Land Use Restrictions

DTSC provided model language for a covenant to the Navy and other team members via e-mail on 27 March 2002. The language is from an Army Covenant to Restrict Use of Property at Fort Ord, California.

Record Search Activities

Acquisition and review of historical and technical documentation continues. Facility drawings and documentation pertaining to the NASA water supply well (located within 400 feet of the edge of the Administration Area Plume) were formally requested from NASA on 14 January 2002. Limited information pertaining to recent usage of the former domestic water supply wells was provided. Facility drawings and plans have not been received by the Navy as of 25 April 2002.

The Navy requested information (public records) pertaining to RCRA permits and/or RCRA issues at the former NALF Crows Landing from the California Department of Toxic Substances Control (Fax (916) 324-3158) on 5 April 2002. The request to DTSC is provided as an attachment to the status report. A response is expected soon.

The Navy requested information pertaining to the former domestic water supply system at NALF Crows Landing from the California Office of Environmental Health Hazard Assessment (small potable water supply systems) in Sacramento ((916) 323-0596) on 5 April 2002. The Sacramento office may have historical analytical data in their data base, and they will contact the Navy after they determine whether or not historical data is available.

The Navy requested information pertaining to the former domestic water supply system at NALF Crows Landing from the California Environmental Health Hazard Assessment (small potable water supply systems) Stockton office ((209) 948-3816) on 22 April 2002. Mr. Joe Spano was contacted and he indicated that all records had been destroyed since the domestic water supply system was shut down.

The Navy provided NASA with a copy of the Navy's Facility Assets Data Base (NFADB) record for former NALF Crows Landing for potential use in preparing the EBS. The data base record identifies the structures that were present when the Navy transferred the facility to NASA.

Water Level Monitoring

Automated water level indicators continue to record water levels at several locations. The 2002 irrigation season began in late March 2002, and water level data will be presented in groundwater monitoring reports. A copy of the water level chart for the period from 3 January through 7 February 2002 for well BG-MW-01 (located within 500 feet of well 6S/8E-20(NALF))

is provided as an attachment to this report. The information pertaining to pumping of irrigation wells is summarized in the following table.

**Table 3. Pumping Activities at Irrigation Water Supply Wells and Other Wells
 NASA Crows Landing Flight Facility - Updated April 2002**

| Field 10 Well 6S/8E-20(NALF)-south of runway [flow: approximately 2,500 gpm] Nearby water level indicator at BGMW01 Screened from approximately 122 to 250 feet below ground surface. Date(s) of Pumping | Field 8 Well 6S/8E-20C1 Central section of facility near Little Salado Creek [flow: approximately 1,200 gpm] Nearest water level indicator at BGMW01 Perforated intervals from approximately 144 to 600 feet below ground surface. Date(s) of Pumping | Field 3 Well 6S/8E-8 (NEW) Northern section of facility, west of UST Cluster 2 [flow: approximately 1,500 gpm] Nearby water level indicator at Cluster 2 Perforated intervals from approximately 200 to 595 feet below ground surface. Date(s) of Pumping | NASA Water Supply Well (near Building 151) Within approximately 500 feet of the southern section of the Administration Area Plume Screened from 210 to 235 feet bgs No data on pumping activities |
|---|--|--|---|
| <i>Calendar Year 2001</i> | | | |
| 13-15 April 2001 | | | |
| 26-29 April 2001 | | | |
| 26-29 May 2001 | | | |
| 8-10 June 2001 | | | |
| 14-16 June 2001 | | 14-20 June 2001 | |
| 20-22 June 2001 | | | |
| 3-7 July 2001 | 6-11 July 2001 | 4-9 July 2001 | |
| 13-18 July 2001 | 19-24 July 2001 | 13-20 July 2001 | |
| 26-29 July 2001 | 30 July – 3 August 2001 | 22-31 July 2001 | |
| | 15-18 August 2001 | 3-10 August 2001 | |
| | 25-28 August 2001 | 15-20 August 2001 | |
| | | 23-31 August 2001 | |
| | | 4 – 14 September 2001 | |
| | | 17 – 22 September 2001 | |
| Total of 35 days of pumping in the year 2001 (with 15 days of pumping in July 2001). | Total of 25 days of pumping in the year 2001 (with 14 days of pumping in July 2001). | Total of 73 days of pumping in the year 2001 (with 24 days of pumping in July 2001). | |
| <i>Calendar Year 2002</i> | | | |
| 27-30 March 2002 | | | |

Meetings

BCT Meetings during 2002

| Date of Meeting | Comments |
|-----------------|--------------------------|
| 31 January 2002 | Conference call |
| 27 March 2002 | Meeting in Sacramento |
| 29 May 2002 | Agenda is in development |
| | |
| | |

NOTE: PLEASE NOTIFY MARIANNA POTACKA 7 DAYS IN ADVANCE OF THE NEXT MEETING IF CHANGES TO THE AGENDA ARE PROPOSED.

The Navy is in the process of preparing a meeting summary for the 27 March 2002 meeting.

Significant Regulatory Submittal Overview

| Document | Date Submitted by Navy to BCT | Notes pertaining to the submittal of regulatory review comments |
|---|-------------------------------|--|
| Draft Work Plans, Revision 2 | 19 March 2001 | RWQCB: comments dated 3 April 2001 DTSC: no comments received |
| Revised Site 17 Feasibility Study | 27 June 2001 | RWQCB: comments dated 27 September 2001 DTSC: no comments received |
| Aquifer testing activities | 4 June 2001 | RWQCB: comments dated 14 June 2001 DTSC: no comments received |
| Action Memorandum, Time-Critical Removal Actions, 1,2-DCA and Carbon Tetrachloride Source Areas | 16 August 2001 | RWQCB: comments dated 24 September 2001. DTSC: no comments received |
| Project Plans, In Situ Treatment, 1,2-DCA Source Area | 30 October 2001 | RWQCB: comments dated November 2001 DTSC: no comments received |
| Draft Final Feasibility Study, IRP Site 11 (Disposal Pits) | 16 November 2001 | RWQCB: comments dated 17 January 2002 IWMB: comments dated 28 January 2002 DTSC: advance comments received in mid-April 2002 |
| Draft Environmental Business Plan update | 15 December 2001 | RWQCB: comments dated 27 December 2001 DTSC: no comments received |
| Annual Basewide Groundwater Report | 18 April 2002 | |

Miscellaneous information that was received during April 2002

The Navy received a copy of the letter from John J. Adams, Jr., Program Manager, State Water Resources Control Board (SWRCB), Division of Clean Water Programs dated 10 April 2002. The letter includes the Semiannual Performance Report for the July 1 through December 31, 2001 reporting period and success stories for selected military projects. The letter, the success stories, and the narrative for the former NALF Crows Landing are presented as an attachment to the status report.

SOUTHWESTNAVFACENGCOM
BRAC Operations Office
Code 06CC.LMH
Telephone: (619) 532-0783/Fax (619) 532-0780

File: clapril2002statusrpt.doc

Attachments:

- 1) Request dated 5 April 2002 for RCRA records
- 2) Water level measurements at well BG-MW-01
- 3) SWRCB letter dated 10 April 2002 with extracted information from attachments

CF:

Mike Sonke
Stanislaus County
Hazardous Materials Division
Department of Environmental Resources
3800 Cornucopia Way, Suite C
Modesto, CA 95358-9492

Don Chuck
NASA Ames Research Center
Office of Environmental Services
M/S 218-1
Moffett Field, California 94035-1000

Alan Berry
California Integrated Waste Management Board
Closure and Technical Services, Mail Stop 20
1001 I Street
Sacramento, CA 95812-4025

Tom Doszkocs
General Services Administration

SWDIV/EFA-W team members
Project File (Crows Landing)

SOUTHWESTNAVFACENCOM
Code 06CC.LMH
1220 Pacific Highway
San Diego, CA 92132-5190
Telephone: (619) 532-0783/Fax (619) 532-0780

File: clprareq5Apr2002.doc

FACSIMILE

Date: 5 April 2002

From: Lynn Marie Hornecker *LMMH*
Project Manager, Code 06CC.LMH
Southwest Division, Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, CA 92132-5190
Phone: (619) 532-0783

To: **Lillian Baxter**
California Department of Toxic Substances Control
Fax: (916) 324-3158

Subj: Public Records Act Request for Records for the former NALF Crows Landing

This facsimile transmits our Public Records Act Request for records pertaining to potential or previous Resource Conservation and Recovery Act (RCRA) - permitted hazardous waste storage facilities at the former Naval Auxiliary Landing Field (NALF), Crows Landing.

NALF Crows Landing was closed in 1993 and the facility was transferred to the National Aeronautics and Space Administration (NASA) in 1994.

Southwest Division, Naval Facilities Engineering Command is managing the environmental restoration program at the former NALF Crows Landing. We are conducting record search activities for historical records from the operational period for the facility, and we have not found records indicating that permitted hazardous waste storage facilities were located at the former NALF Crows Landing.

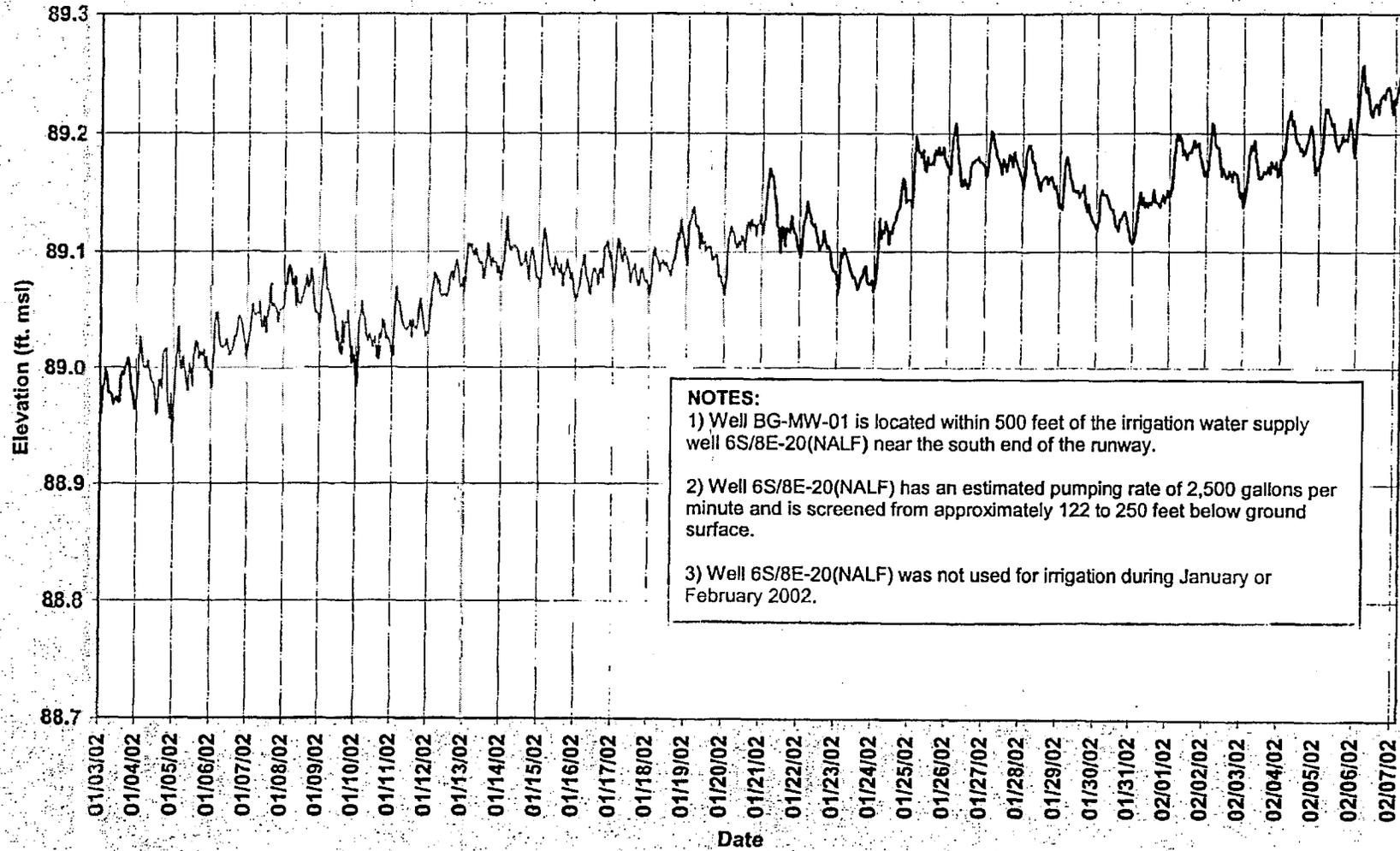
We are interested in acquiring records for the former NALF Crows Landing for the time period from approximately 1980 through 1994.

Your assistance will be greatly appreciated.

Thank you very much.

CF:
Marianna Potacka (SWDIV)
Project File (NALF Crows Landing)

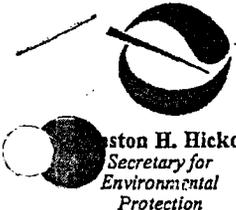
Water Level Fluctuation at BG-MW-01 S



NOTES:

- 1) Well BG-MW-01 is located within 500 feet of the irrigation water supply well 6S/8E-20(NALF) near the south end of the runway.
- 2) Well 6S/8E-20(NALF) has an estimated pumping rate of 2,500 gallons per minute and is screened from approximately 122 to 250 feet below ground surface.
- 3) Well 6S/8E-20(NALF) was not used for irrigation during January or February 2002.

Period of Record: 3 January 2002 through 7 February 2002



State Water Resources Control Board

Division of Clean Water Programs

1001 I Street, Sacramento, California 95814
P.O. Box 944212, Sacramento, California 94244-2120
(916) 341-5700 ♦ FAX (916) 341-5709 ♦ www.swrcb.ca.gov



Gray Davis
Governor

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov.

TO: Susan Sims **VIA E-MAIL**
Planning and Management Branch
Site Mitigation Program
Department of Toxic Substances Control
P.O. Box 806
Sacramento, CA 95812-0806

FROM: /s/
John J. Adams, Jr.
DoD Program Manager
DIVISION OF CLEAN WATER PROGRAMS

DATE: April 10, 2002

SUBJECT: DSMOA/CA SEMIANNUAL PERFORMANCE REPORT - CONTRACT NO.
00-T2062

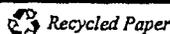
The State Water Resources Control Board's (SWRCB) Semiannual Performance Report for the July 1 through December 31, 2001 reporting period is complete. The reporting format follows the CA Process Guide. Please note that each Two-Year Joint CA Execution Plan Status for SWRCB lead facilities is included in the Attachments. We have indicated that Two-Year Joint CA Execution Plan Status for DTSC lead facilities is to be found in the DTSC Semiannual Performance Report.

Pursuant to Paul Lancer's request, we are providing some Success Stories. We identified some of the more significant Success Stories and extracted them from the Semiannual Performance Report.

The Semiannual Performance Report (Word), Attachments (PDF) and Success Stories (Word) are transmitted to you electronically. If you have any questions concerning this electronic transmittal, please call me at (916) 341-5630 or Kitty Hightower at (916) 341-5730.

cc: Stan Phillippe, DTSC
Tony Landis, DTSC
John Scandura, DTSC
Curvin Lee, DTSC
Paul Lancer, HQUSACE

California Environmental Protection Agency



CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

SUCCESS STORIES

JULY 1 – DECEMBER 31, 2001

(Extracted from Semiannual Performance Reports)

FORMER FT. ORD ARMY BASE/PRESIDIO OF MONTEREY ANNEX – PCA NO. 16622

Success Stories:

The Army's contractor has begun implementing a base-wide program to transition from traditional purge-and-sample techniques to use of passive diffusion samplers. With over two hundred ground water monitoring wells on and off-base, the new technology will reduce monitoring costs by approximately 60 percent after full implementation in two to three years. Regional Board staff has researched passive diffusion sampling and is supporting the Army's proposed transition.

VANDENBERG AFB – PCA NO. 16626

Success Stories:

The Dispute between Vandenberg AFB and the Department of Toxic Substances Control on Toxicity Reference Values to be used in the ecological risk assessments was resolved in October 2001. In addition, 19 Underground Storage Tank sites were closed; 40,000 tons of petroleum-contaminated soil were remediated to below cleanup levels in bio-cells; 32,660 gallons of petroleum-contaminated ground water was extracted and treated at Site 20 UST (152 pounds of hydrocarbons were removed from extracted vapor, and seven pounds from extracted ground water); and 400 cubic yards of PCB-contaminated soil was excavated at Site 35 and disposed off-site.

MONTEREY PENINSULA AIRPORT DISTRICT – PCA NO. 16939

Success Stories:

With the assistance of local politicians, the USACE secured \$350,000 in additional year 2001 funding to conduct a Human Health Risk Assessment for the neighboring airport neighborhood. With regulatory assistance, the project was fast-tracked to secure property access agreements, collect and analyze air samples, and report Phase I results to property owners by December 2001.

DFSP NORWALK – PCA NO. 16638

Success Stories:

The closure of the Norwalk Tank Farm has expedited the soil cleanup process for this site. Numerous activities have been completed to enhance the cleanup systems at the site. Horizontal wells have been cleaned to increase water flow rates and efficiency. New air sparge wells have been installed in the northeast area and a pilot study is being conducted for restarting of the air

sparge wells in the southeast area. Five new total fluid wells were installed in the central area and connected to the treatment system to increase free-product and ground water recovery.

SACRAMENTO ARMY DEPOT – PCA NO. 16640

Success Stories:

The Five-Year Review process is complete.

STOCKTON NCTS – PCA NO. 16645

Success Stories:

The Phase II FOST and EBS Reports have been finalized which will allow deed transfer of properties. A "No Further Action Required" letter was finalized for DRMO Site Lot 1201. The Update to the Long-Term Ground Water Monitoring Plan was finalized.

MATHER AFB – PCA NO. 16647

Success Stories:

The Regional Board, acting as the lead agency for petroleum sites, closed underground storage tank (UST) Sites 25, 26, 27, 28, 30, 31, 33, 38, 40, 41, 42, 49 and UST #s 10075 and 10550. The Air Force conducted remedial activities to address potential contamination after removal of the former USTs. These included removal of the dispenser islands, removal of product and vent lines, soil excavation, confirmation sampling and restoration of the sites. Further investigation of ground water was conducted at UST Site 26 and vadose zone modeling was conducted to characterize potential fate and transport of residual contamination at Sites 30 and 31.

CASTLE AFB – PCA NO. 16649

Success Stories:

The Operable Unit #1 ground water treatment plant was removed from service from June to September in order to conserve electricity during the California energy crisis. An estimated 260,000 kilowatt-hours of electricity was saved. The plant treats shallow ground water extracted from nearby source areas and was not necessary for plume containment. This temporary shutdown did not affect plume containment or control and the treatment plant was successfully restarted in September.

BEALE AFB – PCA NO. 16650

Success Stories:

The Biotreatment Cell Facility (which provided bioremediation of excavated soil from over 900 UST sites that were closed) was decommissioned and will be closed following transfer of remaining treated soil to a temporary holding area. The Regional Board will rescind the WDRs for this facility when closure activities for this site are completed. Use of this facility over the last five to six years saved the Air Force significant amounts of money that would have gone toward contaminated soil disposal fees. Treatment of the soils also led to cost savings as the treated soils were reused as foundation material in the construction of the landfill caps.

OLD HAMMER FIELD (OHF) – FUDS – PCA NO. 16953

Success Stories:

After years of negotiation, an Enforceable Project Schedule has been completed and approved and is awaiting formal signatures by all Cooperative Agreement parties. The schedule will become an Amendment to the 1993 Potentially Responsible Party Agreement for OHF.

EDWARDS AFB – PCA NO. 16660

Success Stories:

The RPMs celebrated ten years of working together to define and cleanup environmental problems at EAFB. The team has approved five alternative cleanup methods which are working effectively.

EL TORO MCAS – PCA NO. 16668

Success Stories:

The Navy and the Department of Justice signed a Settlement Agreement with the Irvine Ranch Water District and the Orange County Water District regarding use of a desalter to clean up the off-base ground water contaminant plume.

TUSTIN MCAF – PCA NO. 16670

Success Stories:

The Record of Decision/Remedial Action Plan for OU-3 Moffet Trenches was signed. The draft document was first issued in 1997.

NAVAL AIR STATION, NORTH ISLAND (NASNI) – PCA NO. 16680

Success Stories:

The completion of the RI phase and the start of FS phase at Site 9. Continuous, aggressive free-product removal action at the Fuel Farm has controlled the migration of petroleum free-products toward San Diego Bay. The size of the free-product plume continues to shrink in size from previous measurements.

**STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS
DEPARTMENT OF DEFENSE (DoD) PROGRAM**

SEMIANNUAL REPORT

July 1 – December 31, 2001

per

Contract Number 00-T2062

between the

Department of Toxic Substances Control

and the

State Water Resources Control Board

Execution Plan Status:

See DTSC Semiannual Report for Two-Year Joint CA Execution Plan that has "Status" annotated.

CROW'S LANDING FLIGHT FACILITY - PCA NO. 16642

Progress:

The Installation Restoration Program is significantly (two years) behind schedule with the Two-Year Joint CA Execution Plan due to major Navy-requested schedule revisions during 2001. The Navy decided to reassess all previous investigations and documentation, up to and including the Feasibility Study. The Navy subsequently released a revised Draft Feasibility Study for the Administration Area Plume. Also, the Navy conducted a second time-critical interim removal action (TCRA #2) at the Administration Plume Area consisting of: 1) ground water extraction from a localized area near a suspected source for the contaminants, and 2) off-site disposal of the extracted wastewater. The Navy decided to conduct the TCRA after investigations revealed contaminants in the ground water had migrated closer to the site boundary than previously identified. The Navy also provided a Draft Workplan for Enhanced Bioremediation at the Administration Area Plume, as required by a Regional Board Order.

Challenges:

The TCRA #2 also proposes to inject a substrate material into the ground water to promote enhanced biodegradation of chlorinated solvents. Regional Board legal counsel and staff believe that substrate injections require adoption of Waste Discharge Requirements (WDRs), while the Navy claims they are exempted from State permit requirements at non-NPL site by CERCLA. As a result of the disagreement regarding WDRs, the Regional Board issued a Water Code Section 13267 Order requesting technical reports from the Navy. The Navy does not acknowledge the Regional Board's Order but has responded by providing some of the required reports and a draft workplan.

Regional Board staff has determined that the proposed remedy for the Administration Area Plume in the revised Draft Feasibility Study, enhanced bioremediation and natural attenuation, is not adequate to satisfactorily address the ground water contamination. The Regional Board staff also requested the Navy conduct a pilot study to show that complete dechlorination of contaminants could occur.

Stanislaus County, NASA, and the GSA continue to work with the BCT team to expedite the immediate transfer of the property and the NASA lease, as soon as possible, in order to comply with special legislation by the United States Congress.

The Navy, on several occasions, has requested expedited (one month) reviews of documents with little or no advance warning. The Navy has refused to negotiate a Federal Facilities Site Remediation Agreement so review schedules have not been negotiated. Often these document reviews were not agreed to in the CA Execution Plan and represent additional unanticipated work for Regional Board staff.

Execution Plan Status:

See DTSC Semiannual Report for Two-Year Joint CA Execution Plan that has "Status" annotated.

DIXON NRTF – PCA NO. 16643

Progress:

The Installation Restoration Program is on schedule with the Two-Year Joint CA Execution Plan. There was no significant progress at this site. The Regional Board is currently reviewing the Record of Findings and No Further Action Request (draft final version) previously submitted by the Navy. It is expected that, once this report is finalized, there will be no further work at this site, unless new, previously unknown areas of concern are discovered.

Execution Plan Status:

See DTSC Semiannual Report for Two-Year Joint CA Execution Plan that has "Status" annotated.

LEMOORE NAS – PCA NO. 16644

Progress:

The Installation Restoration Program is behind schedule with the Two-Year Joint CA Execution Plan. Under-expenditures are the result of delayed funding appropriations as well as field work and construction delays. The Navy will submit backlogged reports and eventual report reviews will increase expenditures to more normal levels. The Final First Annual Ground Water Monitoring Report (AGMR) for Sites 5/9 and 14 has been submitted to the Regional Board for review and comment. The scope of work outlined in the AGMR for an additional investigation of potential source areas at Site 14 has been completed. Data gathered from the additional investigation, coupled with continuing quarterly ground water monitoring, will be used to evaluate plume migration at Sites 5/9 and 14.

Installation of the multi-phase extraction (MPE) system at Site 17 has started. The infiltration gallery and extraction wells have been completed. Installation of the surface remediation system equipment is in progress. The initial start-up of the MPE system at Site 17 will require considerable oversight and adjustments in the field before the system operates efficiently.

Regional Board staff received and provided comments for the following: Draft Post-Construction Landfill Certification for the Site 1 Landfill; Focused Feasibility Study for Sites 2 and 4; Record of Decision/Removal Action Workplan for Sites 6 and 7; Draft Field Sampling Plan for the Second Annual Ground Water Monitoring at Sites 5/9 and 14; and the Draft Field Sampling Plan and Quality Assurance Project Plan for the MPE System at Site 17.

Transmittal

Date: 25 April 2002

From: Lynn Marie Hornecker *LMB*
Code 06CC.LMH

To: Diane Silva
Code 01LS.DS
Administrative Record Manager

Subj: **CERCLA ADMINISTRATIVE RECORD MATERIALS**
NALF Crows Landing

Installation: NALF Crows Landing

UIC Number: N60211

Document Title: Status Report

Author: Lynn Marie Hornecker

Recipient: Marianna Potacka SUDIV

Record Date: 25 April 2002

Approximate Number of Pages: 19

Sites: Sites 11, 11A, 17 UST Clusters

Key Words: status report

Contract: N/A

CTO Number: N/A

James Barton RUDQB
Francesca D'Onofrio DTSL