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Ser 1843.2/7113
11 Feb 1997

Ms. Susan Gladstone
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

**Subj: MOFFETT FEDERAL AIRFIELD (MFA) SITE 9 SOURCE CONTROL MEASURES
(SCM) SELF-MONITORING REPORT FOR THE BUILDING 6, 12, AND 45
TREATMENT SYSTEMS, QUARTER 4, OCTOBER THROUGH DECEMBER 1996**

Dear Ms. Gladstone:

The U.S. Navy is submitting this self-monitoring report for the Building 6, 12, and 45 treatment systems for the fourth quarter of 1996. Summary tables, laboratory results, and chain-of-custody records are attached.

No volatile organic compounds (VOCs) or purgeable total petroleum hydrocarbons (TPH) were detected in the effluent of the Building 6, 12, and 45 treatment systems, with the exception of a single 1-microgram per liter ($\mu\text{g/L}$) detection of 1,4-dichlorobenzene in the Building 45 treatment system effluent sample from the October 21, 1996 sampling event. This result appears to be a laboratory error as 1,4-dichlorobenzene has not been detected before in the Site 9 SCM effluent, and was not detected in the following November and December sampling events.

Extractable TPH was not detected in effluent from any of the system, except for TPH diesel which was detected at 90 $\mu\text{g/L}$ in the Building 12 treatment system effluent sample collected on December 16, 1996.

No metals were detected above permit limits in the Building 12 treatment system effluent. No metals, except selenium, were detected above permit limits in the Building 6 and 45 treatment system effluent samples. Selenium was detected in the Building 6 (7.9 $\mu\text{g/L}$), and Building 45 (12 $\mu\text{g/L}$) treatment system effluent samples, slightly higher than the permit limit of 5.0 $\mu\text{g/L}$.

Lead (3.7 $\mu\text{g/L}$) and selenium (6.8 $\mu\text{g/L}$) were detected in the sample collected at the National Aeronautics and Space Administration (NASA) settling basin, slightly above the respective permit limits of 3.2 $\mu\text{g/L}$ and 5.0 $\mu\text{g/L}$. Because lead was not detected in the effluent of any of the three treatment systems, it is unlikely that the source of the lead is the Site 9 SCMs. The Site 9 SCMs may have contributed selenium to the NASA settling basin. However, selenium is not a known groundwater contaminant at MFA and the levels detected in the Site 9 SCMs are consistent with naturally occurring regional and basewide background selenium concentrations in groundwater. Nevertheless, inorganic constituents will continue to be monitored to evaluate potential effects on receiving waters. Finally, no mortality was observed in the samples tested for fish toxicity from all three systems.

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Please call Mr. Su Don Tu of my staff at (415) 244-2524 or Mr. David Berestka of PRC at
(303) 312-8856 if you have any questions or comments.

Sincerely,

ORIGINAL SIGNED BY:
STEPHEN CHAO
~~BRAC Environmental Coordinator~~

Encl:

(1) Self-Monitoring Report for Quarter 4, October Through December 1996

Copy to:

PRC Environmental Management, Inc. (Attn: David Berestka)

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184, 1843, 1843.2, 1843.3

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ENCLOSURE

SELF-MONITORING REPORT FOR QUARTER 4
OCTOBER THROUGH DECEMBER 1996

THIS ENCLOSURE WAS NOT SUBMITTED TO THE
ADMINISTRATIVE RECORD FILE.

QUESTIONS MAY BE DIRECTED TO:

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