

5090
Ser 1843.2/6233
21 May 1996

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 BUILDING 6 AND BUILDING 12
TREATMENT SYSTEMS QUARTER 4, SEPTEMBER 20 THROUGH
DECEMBER 19, 1995**

Dear Ms. Gladstone:

The U.S. Navy is submitting this self-monitoring report for the Building 6 and Building 12 treatment systems at MFA. This self-monitoring report covers operations for Quarter 4, September 20 through December 19, 1995. Both treatment systems were operational for most of the reporting period. However, the Building 6 treatment system was shut down for a few days in early December 1995 when heavy winds blew the cover off the secondary containment tank.

Both the Building 6 and Building 12 treatment systems met discharge requirement for extractable total petroleum hydrocarbons (TPH), purgeable TPH, fish toxicity, and volatile organic compounds (VOC), with the exception of chloromethane. Chloromethane was detected in Building 6 effluent at 24 micrograms per liter ($\mu\text{g/L}$) and in Building 12 effluent at 2.4 $\mu\text{g/L}$. These chloromethane detections are suspect as chloromethane has never been detected in the influent or effluent of either system since the two systems began operation 2.5 years ago and is not known to be a contaminant or breakdown product at MFA. A trip blank was not prepared during the sampling event. Chloromethane was not detected in the laboratory method blank and is not a common laboratory contaminant. Both systems were sampled on March 26, 1996 and chloromethane was not detected in either the influent or the effluent. However, chloromethane will continue to be monitored at both systems.

The extractable TPH samples collected from both systems on December 19, 1995 exceeded holding time requirements. Both system were resampled for extractable TPH on January 9, 1996.

Effluent from the Building 12 treatment system met all metals discharge permit requirements. The Building 6 treatment system effluent exceeded the discharge permit limits for copper (66 $\mu\text{g/L}$; permit limit 11.8 $\mu\text{g/L}$), selenium (7.3 $\mu\text{g/L}$; permit limit 5.0 $\mu\text{g/L}$), and zinc (200 $\mu\text{g/L}$; permit limit 110 $\mu\text{g/L}$). Each of these three metals is naturally occurring in groundwater. These constituents are at levels consistent with those found in background data, basewide groundwater data, and receiving water data. However, inorganic constituents will continue to be monitored to evaluate potential effects on receiving waters.

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1995**

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,

STEPHEN CHAO
BRAC Environmental Coordinator

Encl:

(1) Self-Monitoring Report for September 20 to December 19, 1996

Copy to:

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

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184, 1843, 1843.2, 1843.3

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ENCLOSURE

SELF-MONITORING REPORT FOR
SEPTEMBER 20 TO DECEMBER 19, 1996

THIS ENCLOSURE WAS NOT SUBMITTED TO THE
ADMINISTRATIVE RECORD FILE.

QUESTIONS MAY BE DIRECTED TO:

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