

5090  
Ser 1843.2/6384  
10 Sept 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 THE BUILDING 6, 12, AND 45  
TREATMENT SYSTEMS QUARTER 1, JANUARY THROUGH MARCH 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 first quarter of 1996. Summary tables, all laboratory results, and chain-of-custody records for this sampling event are attached.

The Building 6 system was not operating during the monthly sampling events in January and February 1996 and, as a result, was not sampled during these periods. The quarterly sampling conducted on March 26, 1996 indicated no breakthrough of the granular activated carbon (GAC) units as no volatile organic compounds (VOC), purgeable total petroleum hydrocarbons (TPH), or extractable TPH were detected in the effluent from this system. Selenium, however, was detected at 7.2 micrograms per liter ( $\mu\text{g/L}$ ), slightly above the permit limit of 5  $\mu\text{g/L}$ .

No VOCs or extractable TPH were detected in the Building 12 system effluent. However, ethylbenzene was detected at 1.3  $\mu\text{g/L}$ , which is below the instantaneous permit limit of 5  $\mu\text{g/L}$  but above the daily average permit limit of 0.5  $\mu\text{g/L}$ . This result is considered suspect as ethylbenzene was not detected in the effluent from the lead GAC unit. All metals concentrations were below permit limits except for selenium, which was detected at 51  $\mu\text{g/L}$ .

The Building 45 treatment system met all extractable TPH, purgeable TPH, VOC, and metals discharge requirements except for selenium, which was detected at 10.1  $\mu\text{g/L}$ . The National Aeronautics and Space Administration (NASA) settling basin sample contained lead at 8.7  $\mu\text{g/L}$ , above the 3.2  $\mu\text{g/L}$  limit, and selenium at 9.5  $\mu\text{g/L}$ . At this concentration, selenium levels are consistent with background groundwater data, basewide groundwater data, and receiving water data. However, inorganic constituents will continue to be monitored to evaluate potential effects on receiving waters.

Additionally, all fish toxicity tests for the treatment systems at Buildings 6, 12, and 45 are included at the end of the attachment. The fish toxicity testing indicated the treatment system effluents to be nontoxic to the three spined stickleback.

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Please call Mr. Su Don Tu of my staff at (415) 244-2524 or 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 1, January through March 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 QUARTER 1  
JANUARY THROUGH MARCH 1996**

**THIS ENCLOSURE WAS NOT SUBMITTED TO THE  
ADMINISTRATIVE RECORD FILE.**

**QUESTIONS MAY BE DIRECTED TO:**

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