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Ser 1843.2/7338
2 September 1997

Mr. Michael Rochette
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 2, APRIL THROUGH JUNE 1997**

Dear Mr. Rochette:

The U.S. Navy is submitting this self-monitoring report for the Building 6, 12, and 45 treatment systems for the second quarter of 1997. Summary tables, laboratory results, and chain-of-custody records are attached.

No volatile organic compounds (VOCs), purgeable total petroleum hydrocarbons (TPH), or extractable TPH were detected in the effluent from the Building 6, 12, and 45 treatment systems during the April through June 1997 sampling events, with the exception of a single 0.9 microgram per liter ($\mu\text{g/L}$) detection of vinyl chloride in an effluent sample from the Building 45 treatment system. This detection indicated the start of granular activated carbon (GAC) breakthrough and prompted a GAC changeout at the Building 45 treatment system on 25 June 1997.

No metals were detected above permit limits in the Building 6 treatment system effluent samples. At Building 12, chromium ($20 \mu\text{g/L}$), copper ($15 \mu\text{g/L}$), and lead ($8.5 \mu\text{g/L}$) were detected above permit limits in effluent samples. Lead ($5.4 \mu\text{g/L}$) and selenium ($11 \mu\text{g/L}$) were detected above permit limits in effluent samples from the Building 45 treatment system. Lead ($4.8 \mu\text{g/L}$) and selenium ($10 \mu\text{g/L}$) were detected in the sample collected at the National Aeronautics and Space Administration (NASA) settling basin (NSB), above the respective permit limits of $3.2 \mu\text{g/L}$, and $5 \mu\text{g/L}$. Building 12 and Building 45 may have contributed to the lead and selenium levels at the NSB. However, lead and selenium are not known groundwater contaminants at MFA and the levels detected in the Site 9 SCMs are consistent with naturally occurring regional and basewide background lead and selenium concentrations in groundwater.

Fish toxicity testing of the effluent from the Building 6 and Building 12 treatment systems indicated that effluent toxicity was below permit limits. Building 45 treatment system effluent toxicity was above permit limits.

Construction of the West-Side Aquifers Treatment System (WATS) commenced in early August 1997. This system will replace the Site 9 SCMs. The Building 6 and Building 12 treatment systems were shut down on 15 August 1997 and dismantled shortly thereafter. The Building 45 treatment system will

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continue to operate and treat water from the Hangar 1 sump and Electrical Vault 5 until the WATS begins operation in November 1997. Because of these operational changes, the next self-monitoring for the third quarter of 1997 will include results only for the Building 45 treatment system.

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 Installation Coordinator

Encl:

(1) Self-Monitoring Report for Quarter 2, April through June 1997

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 2
APRIL THROUGH JUNE 1997**

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

QUESTIONS MAY BE DIRECTED TO:

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