



**DEPARTMENT OF THE NAVY**  
SOUTHWEST DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
1220 PACIFIC HIGHWAY  
SAN DIEGO, CA 92132-5190

N00296.000297  
MOFFETT FIELD  
SSIC NO. 5090.3

5090  
Ser 06CH.AM/0855  
August 16, 2001

Ms. Adriana Constantinescu  
Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Ms. Carmen White  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street, SFD-8-2  
San Francisco, CA 94105

Dear Ms. Constantinescu and Ms. White:

I am pleased to provide an update on implementation of Stanford University's Enhanced Natural Attenuation of Commingled Plumes Research Project at Moffett Federal Airfield, Moffett Field, California.

The current schedule is as follows:

- August 17, 2001: RWQCB conditional approval of NPDES permit modification.
- August 20 - 31, 2001: Re-evaluate baseline conditions. This work consists of groundwater sampling and chemical analysis to document baseline conditions. Purge and decon water from the sampling will not be treated through WATS.
- September 4 - 14, 2001: Install field equipment in treatment wells.
- September 17, 2001: Begin injection of bromide (bromide tracer test) and propionate (electron donor).

This schedule provides ample time for RWQCB conditional approval of the NPDES permit modification prior to start of the research project's injection of bromide and propionate. In accordance with discussions at previous BCT meetings, propionate is expected to be consumed by microbes prior to reaching downgradient monitoring wells. Also, bromide tracer tests have been previously conducted by Tetra Tech. Anticipated injection concentrations are propionate at a concentration not to exceed 220 mg/l (concentrations based on laboratory tests and field conditions) and bromide injection at 38 mg/l. Groundwater monitoring will include bromate analysis. Additional information is provided in Stanford's March 10, 2000 Work Plan and December 22, 2000 Work Plan Supplement on which both the U.S. EPA and RWQCB provided concurrence on January 11, 2001.

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If you have questions or comments, please contact either Ms. Andrea Muckerman or Ms. Mary Parker in any of the following ways:

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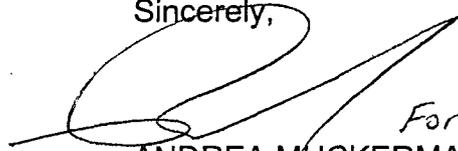
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Sincerely,



*For*  
ANDREA MUCKERMAN  
BRAC Environmental Coordinator,  
By direction of the Commander

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