



Department of Toxic Substances Control



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California Environmental
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April 20, 2001

Mr. Dean Gould
BRAC Environmental Coordinator
Marine Corps Air Station El Toro
Base Realignment and Closure
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DRAFT TECHNICAL MEMORANDUM, MULTI-PHASE EXTRACTION (MPE) PILOT STUDY FOR OPERABLE UNIT (OU) 3, INSTALLATION RESTORATION PROGRAM (IRP) SITE 16, CRASH CREW TRAINING PIT NO. 2, MARINE CORPS AIR STATION (MCAS) EL TORO

Dear Mr. Gould:

The Department of Toxic Substances Control (DTSC) reviewed the above document dated March 2001. The draft Technical Memorandum presents the results of aquifer and MPE pilot testing conducted from September through December 2000 at Site 16. MPE (simultaneous extraction of soil vapor and groundwater) was identified as a presumptive remedy for soil and groundwater contaminated with volatile organic compounds (VOCs) in the draft Phase II Feasibility Study (FS) for Site 16 issued in February 2000. As part of the FS process, a pilot study for MPE was implemented. The pilot study activities were described in the *Final Phase II Work Plan for the MPE Pilot Study, OU-3, Site 16, Crash Crew Training Pit No. 2, Marine Corps Air Station, El Toro, California* (Bechtel National, Inc., July 2000) (Work Plan). The primary objective of the pilot study was to evaluate the effectiveness of the MPE technology at Site 16.

The draft Technical Memorandum only covers data obtained prior to system modifications (through December 27, 2000). DTSC understands that information regarding the continued testing (December 27, 2000 through March 7, 2001) will be included in the draft final FS and the final Technical Memorandum. The final Technical Memorandum will be included with the final FS.

Based on clarifications provided by the Department of the Navy on April 18, 2001, DTSC understands that a 60-day review period will be provided for the draft final FS

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due to the considerable amount of new information that will be presented. This will also enable DTSC to thoroughly review information on the testing conducted after December 27, 2000 that will be included in the draft final FS. Subsequently, a final FS will be issued and will be subject to a 30-day review.

In general, the document presents the results of aquifer and pilot testing in a clear and concise manner. After review of the document, DTSC has the following comment:

1. Section 1, Introduction: The first sentence states, "This technical memorandum presents the results of multiphase extraction (MPE) pilot testing conducted from 17 through 27 December 2000 . . ."

According to the information provided in the document, aquifer tests commenced in September 2000 and operation of the MPE system started on October 17, 2000. Please revise the text accordingly.

If you have any questions, please contact me at (714) 484-5395.

Sincerely,



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