



# Department of Toxic Substances Control



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June 5, 2001

Post-it* Fax Note	7671	Date	6/6/01	# of pages	2
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MCAS EL TORO  
SSIC #5090.3

Mr. Dean Gould  
BRAC Environmental Coordinator  
Marine Corps Air Station El Toro  
Base Realignment and Closure  
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DRAFT TECHNICAL MEMORANDUM, EVALUATION OF OPERABLE UNIT (OU) 1  
ALTERNATIVE 8A WITH RESPECT TO NATIONAL OIL AND HAZARDOUS  
SUBSTANCES POLLUTION CONTINGENCY PLAN (NCP) CRITERIA,  
MARINE CORPS AIR STATION (MCAS) EL TORO

Dear Mr. Gould:

The Department of Toxic Substances Control (DTSC) reviewed the technical memorandum dated April 2001 and received by this office on May 1, 2001. The technical memorandum describes Alternative 8A, a new alternative that was developed to remediate volatile organic compound contamination in the regional groundwater identified as OU-1, Installation Restoration Program Site 18 at MCAS El Toro. The technical memorandum also evaluates the alternative with respect to the nine NCP evaluation criteria and compares the alternative with those previously identified in the OU-1 Interim Action Feasibility Study Addendum (Jacobs Engineering Group, 1996).

After review of the document, DTSC has the following comment:

Table 2, Overview of Remedial Alternatives and Table 3, Simulated TCE Plume Area in the Principal Aquifer After 20 Years: According to Table 2, the treatment rate for Alternative 8 is 4,400 gpm and for Alternative 8A is 2,500 gpm. Then the estimated TCE Mass Removed in 20 years under Alternative 8 is 13,200 pounds and under Alternative 8A is 14,000 pounds. Further, in Table 3, the area of the plume in the principal aquifer with TCE concentrations greater than 5 ug/L after 20 years is 979 acres for Alternative 8 and 1,073 acres for Alternative 8A.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at [www.dtsc.ca.gov](http://www.dtsc.ca.gov).*

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The area of the TCE plume appears to decrease proportionally with the treatment rate. For example, after 20 years, the area of the plume decreases more under Alternative 8 than Alternative 8A. However, after 20 years, the amount of TCE mass removed is greater for Alternative 8A (14,000 pounds) than for Alternative 8 (13,200 pounds). Please clarify the apparent inconsistency in the text.

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

Sincerely,



Triss M. Chesney, P.E.  
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