



California Regional Water Quality Control Board

Santa Ana Region



William H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb8>
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Gray Davis
Governor

*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 website at www.swrcb.ca.gov/rwqcb8.*

March 15, 2001

M60050.002743
MCAS EL TORO
SSIC #5090.3

Mr. Dean Gould
BRAC Environmental Coordinator
MCAS El Toro
P.O. Box 51718
Irvine, California 92619-1718

COMMENTS ON DRAFT GROUNDWATER MONITORING DATA SUMMARY REPORT, JUNE 2000 MONITORING ROUND 12, FORMER MARINE CORPS AIR STATION, EL TORO

Dear Mr. Gould:

We have completed our review of the above referenced document, dated January 12, 2001, which we received on January 16, 2001. We have the following comments on this report:

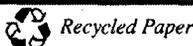
- **3.2.3 Metals (Filtered):** The report should indicate the background concentrations for metals of concern, established at El Toro for Sites 2, 3, 5, 17 and 24. In addition to identifying elevated concentrations, this discussion of analytical results of metals and metalloids should, include concentrations that are significantly above the background levels. The trend of concentrations for calcium, magnesium, potassium, and sodium should also be discussed.
- **3.2.4 General Chemistry Parameters:** Sites 3, 5, and 17 are landfills. At a minimum, analytical results for chloride, sulfate, nitrate/nitrite-N, carbonate, bicarbonate, and alkalinity from upgradient and downgradient monitoring wells should be included in the report. Baseline concentrations should be established for each analytical parameter. The results of individual sampling events should then be compared to the baseline, using statistical analyses. The analyses should be used to determine trends and the significance of the trends. Please apply an appropriate statistical analysis for general mineral parameters at the landfill sites. Title 27 CCR contains the specific statistical analysis methods that are appropriate for landfills. Board staff can also assist you in obtaining guidance for proper statistical analysis of groundwater quality monitoring at landfills.

For any questions on this review or related matters, please call me at (909) 782-4498.

Sincerely,


John Broderick
SLIC/DoD/AGT Section

California Environmental Protection Agency



Mr. Dean Gould

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March 15, 2001

cc: Ms. Nicole Moutoux, Environmental Protection Agency, Region IX
Ms. Triss Chesney, Department of Toxic Substances Control, OMF
Mr. Gregory F. Hurley, RAB Co-Chair, MCAS El Toro
Ms. Content Arnold, Naval Facilities Engineering Command, SWDIV

California Environmental Protection Agency



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