



RECEIVED  
CODE 18

19 AUG 96 07 03

August 16, 1996



Cal/EPA

Department of  
Toxic Substances  
Control

245 West Broadway,  
Suite 425  
Long Beach, CA  
90802-4444

Mr. Joseph Joyce  
BRAC Environmental Coordinator  
U.S. Marine Corps Air Station - El Toro  
P. O. Box 95001  
Santa Ana, California 92709-5001

Pete Wilson  
Governor

James M. Stratton  
Secretary for  
Environmental  
Protection

**FINAL QUARTERLY GROUNDWATER MONITORING REPORT  
APPROVAL, MARINE CORPS AIR STATION (MCAS) EL TORO**

Dear Mr. Joyce:

The California Environmental Protection Agency (Cal/EPA) has completed the review of the above subject report dated June 27, 1996, prepared by CDM Federal Programs Corporation. The reports present the results of the January-February 1996 groundwater sampling round from a network of 163 monitoring wells/monitoring ports conducted at MCAS El Toro.

Representatives from Department of Toxic Substances Control (DTSC), Regional Water Quality Control Board (RWQCB), U.S. EPA, and the Navy met on July 25, 1996 to resolve the agencies comments. The Navy sent minutes of that meeting on August 7, 1996. DTSC and the RWQCB are satisfied that comments emanating from our May 2, 1996 letter on the draft report have been addressed in the final report. As such, we hereby approve the final report subject to the enclosed comments on the July meeting minutes. If you have any questions, please contact Mr. Tayseer Mahmoud at (310) 590-4891.

Sincerely,

Albert A. Arellano, Jr., P.E.  
Unit Chief  
Base Closure Unit  
Office of Military Facilities  
Southern California Operations

Enclosure

cc: See next page

*Mr. Joseph Joyce*  
*August 16, 1996*  
*Page 2*

cc: Ms. Bonnie Arthur  
U. S. Environmental Protection Agency  
Region IX  
Hazardous Waste Management Division, H-9-2  
75 Hawthorne Street  
San Francisco, California 94105-3901

Mr. Lawrence Vitale  
Remedial Project Manager  
California Regional Water Quality Control Board  
Santa Ana Region  
3737 Main Street, Suite 500  
Riverside, California 92501-3339

Mr. Roy Herndon  
Orange County Water District  
10500 Ellis Avenue  
P.O. Box 8300  
Fountain Valley, California 92728-8300

Lt. Hope Katcharian  
Director, Environmental Engineering Division, (1AU)  
Marine Corps Air Station-El Toro  
P. O. Box 95001  
Santa Ana, California 92709-5001

Ms. Sherrill Beard  
Engineering Geologist  
Department of Toxic Substances Control  
245 West Broadway, Suite 350  
Long Beach, California 90802

Mr. Andy Piszkin  
Remedial Project Manager  
Naval Facilities Engineering Command  
Southwest Division - Code 1831.AP  
1220 Pacific Highway  
San Diego, California 92132-5187

*Mr. Joseph Joyce*

*August 16, 1996*

*Page 3*

cc: Mr. Larry Davidson  
CDM Federal Programs Corporation  
3760 Convoy Street, Suite 210  
San Diego, California 92111

Dr. Dante Tedaldi  
Bechtel National, Inc.  
401 West A Street, Suite 1000  
San Diego, California 92101-7905

Mr. Bernie Lindsey  
Remedial Project Manager  
Naval Facilities Engineering Command  
Southwest Division - Code 1831.BL  
1220 Pacific Highway  
San Diego, California 92132-5187

**DEPARTMENT OF TOXIC SUBSTANCES CONTROL**  
**Comments on**  
**Meeting Minutes Held on July 25, 1996 To Discuss**  
**Comments on Ground Water Monitoring Plan**  
**Marine Corps Air Station El Toro**

DTSC has reviewed the meeting minutes dated July 25 regarding the implementation of the groundwater monitoring plan to be carried out by CDM. Three issues need further clarification.

1. First bullet, page 2; It is stated that SWDIV will consider a micropurging pilot study, however, during the meeting SWDIV agreed there would be a pilot study. This statement was clarified during the August 14 BCT meeting. Mr. Andy Piszkin informed the BCT that CDM would do a micropurging pilot study, though the study would only include Site 2 monitoring wells. Both U.S. EPA and DTSC agreed with this proposal.
2. Bullets 11-14, page 2; It was our understanding that CDM would present data on figures similar to what is currently being submitted for Norton Air Force Base. A large base map showing the well locations would be compiled with supplemental mylar overlays. A series of overlays would consist of well identifiers, selected VOC concentrations, isoconcentration contours, and piezometric data. The meeting minutes do not reflect that discussion, subsequently, it is still not clear how the data will be presented.
3. Last bullet, page 3; The BCT did agree that at this time it was not necessary to collect groundwater samples for speciation of gross alpha and beta. However, during the July 17 meeting, held at Bechtel's San Diego office, and during the July 25 meeting, it was discussed and agreed, CDM would collect about ten groundwater samples from monitoring wells, not associated with landfill sites, for gross alpha and beta analysis. The purpose of this additional data is to determine if elevated gross alpha and beta analyses detected at Site 2 are from a release or naturally occurring, as suggested by the Navy. This issue should be addressed to insure these analyses are included in the next groundwater monitoring event.