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Secretary for
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California Regional Water Quality Control Board

Santa Ana Region

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M60050.000380
MCAS EL TORO
SSIC # 5090.3



Gray Davis
Governor

August 2, 1999

Mr. Joseph Joyce
Base Realignment and Closure
P.O. Box 51718
Irvine, CA 92619-1718

**SUBJECT: CLOSURE OF UNDERGROUND STORAGE TANK (UST) CASE
UST SITES 47A AND 47B
BUILDING 47, CONSTRUCTION EQUIPMENT SHOP
MARINE CORPS AIR STATION, EL TORO
CASE NO. 083003513T**

Dear Mr. Joyce:

This letter confirms the completion of the site investigation and remedial action which were conducted to mitigate the releases from the underground storage tanks formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Two USTs were removed and discolored soil was observed below the tanks. The bottom of the USTs were at 6 and 9 feet below the surface. The stained soil was removed and eight confirmation samples were collected. The soil samples were analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and xylene. Benzene and toluene were not detected in the samples. Moderate concentrations of TPH and low concentrations of ethylbenzene and xylene were detected in the samples.

After the excavation was backfilled, four soil borings were drilled to depths of 30 to 45 feet and soil samples were collected for analysis. Low to moderate concentrations of TPH as diesel and JP-5 were detected in eight of the 13 samples collected. TPH concentrations ranged from 600 to 20,000 mg/kg. Benzene was not detected in the soil samples and only low concentration of toluene, ethylbenzene and xylene were detected. Samples with TPH concentrations greater than 1000 mg/kg were also tested with the Synthetic Precipitation Leaching Procedure. Low concentrations (< 40 mg/l) of TPH were detected in the leachate samples. The residual concentrations of TPH do not appear to be significantly leachable and therefore do not pose a threat to groundwater.

Based on the information provided in the May 18, 1998 Tank Removal and Site Closure Report, Underground Storage Tanks 47A and 47B, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

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Mr. Joyce
UST Sites 47A and 47B, MCAS, El Toro

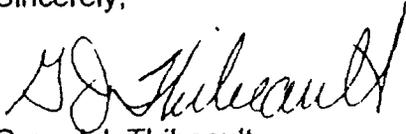
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August 2, 1999
Case No. 083003513T

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e).

Please telephone Patricia Hannon at (909) 782-4498 if you have any questions regarding this matter.

Sincerely,



Gerard J. Thibeault
Executive Officer

Attachment: Case Closure Summary

cc w/ attachment: Dept. of Toxic Substances Control - Tayseer Mahmoud
Kutak Rock, Attorneys - Gregory F. Hurley
Naval Facility Engineering Command, SWDIV - Lynn Homecker
Orange County Hall of Administration - Polin Modanlou
Orange County Health Care Agency - Arghavan Rashidi-Fard
State Water Resources Control Board - John Adams
U. S. EPA, Region IX - Glenn Kistner

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CASE CLOSURE SUMMARY

Leaking Underground Fuel Tank Program

I. Agency Information

DATE: July 26, 1999

AGENCY NAME	California Regional Water Quality Control Board - Santa Ana Region	STAFF	Patricia Hannon
ADDRESS	3737 Main St. Suite 500	TITLE	Associate Engineering Geologist
CITY/STATE/ ZIP	Riverside CA 92501-3339	PHONE	(909) 782-4498, main # 782-4130

II. Case Information

SITE NAME	UST Sites 47A and 47B			
LOCATION	Building 47, Construction Equipment Shop, USMCAS El Toro			
REGIONAL BOARD CASE #	083003513T	LOCAL AGENCY CASE #		
RESPONSIBLE PARTIES	ADDRESS	PHONE NUMBER		
USMCAS El Toro				
contact: Wayne Lee				
TANK NO.	SIZE IN GALLONS	CONTENTS	CLOSED IN PLACE/ REMOVED	DATE
47A	1500	diesel	Removed	4/10/97
47B	1500	diesel	Removed	4/10/97

III. Release and Site Characterization Information

CAUSE AND TYPE OF RELEASE:	unknown		
NUMBER OF SOIL BORINGS DRILLED	4	DEPTH OF SOIL BORINGS	36 to 45 feet
MONITORING WELLS INSTALLED?	no	NUMBER	0
PROPER SCREEN INTERVAL?			
GROUNDWATER DEPTH	134 feet in well 13 UGMW32 located 900 feet south of the site		
GROUNDWATER, MOST SENSITIVE CURRENT USE:	municipal	GW FLOW DIRECTION	WNW
DRINKING WATER WELL(S) AFFECTED?	no	AQUIFER NAME	
IS SURFACE WATER AFFECTED?	no	NEAREST/AFFECTED SW NAME	
OFF-SITE BENEFICIAL USE IMPACTS (ADDRESSES/LOCATIONS):	none		
REPORT(S) ON FILE?	yes	WHERE IS/ARE REPORT(S) FILED?	R.W.Q.C.B. - Santa Ana Region
TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
MATERIAL	AMOUNT	ACTION (TREATMENT, DISPOSAL)/ DESTINATION	DATE
TANK/PIPING	2	Transport to the Station's Defense reutilization and Marketing Office for recycling	April 1997
FREE PRODUCT	none		
SOIL	143 yds ³	treated in the Station's bioremediation treatment facility	April 1997
GROUNDWATER	none		

III. Release and Site Characterization Information (Continued)

Maximum Document Contaminant Concentration - Before and After Cleanup				
CONTAMINANT	SOIL (mg/kg)		WATER (g/L)	
	samples from the bottom of the excavation (12 ft)	samples from the soil borings	INITIAL	CURRENT
BENZENE	ND	ND		
TOLUENE	ND	0.006		
ETHYLBENZENE	0.690	0.030		
XYLENE	0.940	1.0		
MTBE	NA	NA		
TPH - diesel	18000	20000 at 15.5 ft.		
TPH - motor oil	190	NA		

COMMENTS REGARDING INVESTIGATION AND REMEDIATION

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Based on the information received, this case is recommended for closure

IV. Closure

DOES COMPLETED CORRECTIVE ACTION PROTECT <i>EXISTING</i> BENEFICIAL USES PER REGIONAL BOARD BASIN PLAN?		yes
DOES COMPLETED CORRECTIVE ACTION PROTECT <i>POTENTIAL</i> BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN?		yes
MONITORING WELLS	0	NUMBER DECOMMISSIONED
		NUMBER RETAINED
LIST ENFORCEMENT ACTIONS TAKEN	none	
LIST ENFORCEMENT ACTIONS RESCINDED	none	

V. Regional Board Representative Data

STAFF	Patricia Hannon	TITLE	Associate Engineering Geologist
SIGNATURE	<i>Patricia A. Hannon</i>	DATE	7/26/99
SUPERVISOR	Michael Adackapara	TITLE	Senior WRC Engineer
SIGNATURE		DATE	