



California Regional Water Quality Control Board

Santa Ana Region



Winston H. Hickox
Secretary for
Environmental
Protection

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Gray Davis
Governor

W60050.000255
MCAS EL TORO
SSIC #B090.3

March 18, 1999

Mr. Wayne D. Lee
Assistant Chief of Staff
Environment and Safety
Marine Corps Air Station El Toro
P. O. Box 95001
Santa Ana CA 92709-5001

**SUBJECT: CLOSURE OF UNDERGROUND STORAGE TANK (UST) CASE
UST SITE 224
FORMER BLDG 224, MCAS EL TORO, ORANGE COUNTY
CASE NO. 083003353T**

Dear Mr. Lee:

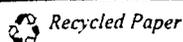
This letter confirms the completion of the site investigation of the release from the underground storage tank formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

The UST was taken out of service in 1959 and filled with sand. The piping was removed in October 1996. The UST was not found when the piping was removed. Four soil borings were drilled to approximately 50 feet at the former UST location and soil samples were collected for analysis. The soil samples were analyzed and petroleum hydrocarbon, BTEX compounds and MTBE were not detected. Low concentrations of petroleum hydrocarbons (diesel and TRPH) were detected in one soil sample collected during removal of the piping. The remaining petroleum hydrocarbon concentrations at the site do not appear to be a threat to water quality.

Based on the information provided in the April 30, 1998 Site Assessment Report, 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.

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

California Environmental Protection Agency



Mr. Lee

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March 18, 1999

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
Marine Corps Air Station El Toro - Capt. Jeff Matthews
Naval Facility Engineering Command, SWDIV - Lynn Hornecker
Orange County Hall of Administration - Courtney Wiercioch
Orange County Health Care Agency - Arghavan Rashidi-Fard
State Water Resources Control Board - John Adams
U. S. EPA, Region IX - Glenn Kistner

CASE CLOSURE SUMMARY

Leaking Underground Fuel Tank Program

I. Agency Information

DATE: March 16, 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 site 224		
LOCATION	near building 224, El Toro MCAS		
REGIONAL BOARD CASE #	083003353T	LOCAL AGENCY CASE #	na
RESPONSIBLE PARTIES	ADDRESS	PHONE NUMBER	
U. S. Marine Corps, El Toro	P.O. Box 95001		
contact: Wayne D. Lee	Santa Ana CA 92709-5001		
TANK NO.	SIZE IN GALLONS	CONTENTS	CLOSED IN PLACE/ REMOVED
UST 224	500	fuel oil	Closed in place, filled w/ sand
			DATE
			1959

III. Release and Site Characterization Information

MONITORING WELLS INSTALLED?	no	NUMBER		PROPER SCREEN INTERVAL?	
DEEPEST GW DEPTH	120 ft.		SHALLOWEST GW DEPTH		
GROUNDWATER, MOST SENSITIVE CURRENT USE:	municipal		GW FLOW DIRECTION		
DRINKING WATER WELL(S) AFFECTED?	no	AQUIFER NAME			
IS SURFACE WATER AFFECTED?	no	NEAREST/AFFECTED SW NAME			
OFF-SITE BENEFICIAL USE IMPACTS (ADDRESSES/LOCATIONS):	no				
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	piping	removed		October 1996	
FREE PRODUCT					
SOIL					
GROUNDWATER					

III. Release and Site Characterization Information (Continued)

Maximum Document Contaminant Concentration - Before and After Cleanup				
CONTAMINANT	SOIL (mg/kg)		WATER (mg/L)	
	INITIAL	CURRENT	INITIAL	CURRENT
BENZENE	NA	ND	NA	NA
TOLUENE	NA	ND	NA	NA
ETHYLBENZENE	NA	ND	NA	NA
XYLENE	NA	ND	NA	NA
MTBE	NA	ND	NA	NA
TPH	NA	ND	NA	NA
TPH - D	NA	43	NA	NA
TPH (418.1)	NA	58	NA	NA

COMMENTS REGARDING INVESTIGATION AND REMEDIATION

The UST was taken out of service in 1959 and filled with sand. The piping was removed in October 1996. The UST was not found when the piping was removed. Documentation regarding the UST removal was not found, according to the April 30 1998 Site Assessment Report. Four soil borings were drilled to approximately 50 feet at the former UST location and soil samples were collected for analysis. The soil samples were analyzed and petroleum hydrocarbon BTEX compounds and MTBE were not detected. Low concentrations of petroleum hydrocarbons (diesel and TRPH) were detected in one soil sample collected during the removal of the piping. The remaining petroleum hydrocarbon concentrations at the site do not appear to be a threat to water quality.

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
LIST ENFORCEMENT ACTIONS TAKEN	
LIST ENFORCEMENT ACTIONS RESCINDED	

V. Regional Board Representative Data

STAFF	Patricia Hannon	TITLE	Associate Engineering Geologist
SIGNATURE	<i>Patricia A Hannon</i>	DATE	3/16/99
SUPERVISOR	Michael Adackapara	TITLE	Senior WRC Engineer
SIGNATURE	<i>m adackapara</i>	DATE	3/17/99

TRANSMITTAL

Date: 25 October 1999

From: Lynn Marie Hornecker
MCAS El Toro

To: Diane Silva
Code 01LS.DS

Subj: Administrative Record Materials
Marine Corps Air Station, El Toro

Installation: Marine Corps Air Station, El Toro

UIC Number: MG0050

Document Title (or subject): Underground Storage Tank Site 224

Author: California Regional Water Quality Control Board,
Santa Ana Region

Recipient: Wayne Lee, MCAS El Toro

Record Date: 18 March 1999

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Sites: UST 224

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CTO Number: N/A