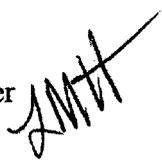


SOUTHWESTNAVFACENGCOM
Code 06CC.LMH
Telephone: (619) 532-0783/Fax (619) 532-0780

File: etdtscltrswmu213.doc

TRANSMITTAL

Date: 19 September 2000

From: Lynn Marie Hornecker 

To: **Ms. Triss Chesney**
State of California Environmental Protection Agency
Department of Toxic Substances Control, Region 4
Site Mitigation Branch
Base Closure Unit
5796 Corporate Avenue
Cypress, CA 90630

Subj: Supplementary Technical Information
Solid Waste Management Unit (SWMU) 213
Former Vehicle Washrack
Marine Corps Air Station, El Toro

Transmitted is supplementary technical information for Solid Waste Management Unit (SWMU) 213 at the Marine Corps Air Station, El Toro. SWMU 213, a former vehicle washrack, is located adjacent to Building 392 in the northeastern section of the Station.

We received your request for additional information on 24 August 2000 (E-Mail message from Triss Chesney (Department of Toxic Substances Control (DTSC)) to Lynn Hornecker dated 24 August 2000) and the information presented with this transmittal is intended to answer the questions contained in your request. A copy of the E-Mail message is attached.

The washrack is approximately 18 feet wide by 30 feet long. Shallow soil samples were collected at four (4) locations through the washrack during the Resource Conservation and Recovery Act Facility Assessment (RFA) Sampling Visit. The sample points are located within approximately 5 feet of the washrack drain located at the center of the washrack surface. The washrack was in use during the RFA Sampling Visit.

Cracks in the washrack surface were repaired in 1998. Ground support equipment maintenance activities were conducted at Building 392, and Building 392 has been vacant since the Station closed on 2 July 1999. Photographs of the washrack and the washrack vicinity are attached.

Underground Storage Tank (UST) 764A and Oil/Water Separator (OWS) 764B, located adjacent to the washrack, were removed on 9 September 1999 and confirmation sampling activities were conducted with oversight by the Orange County Health Care Agency (OCHCA). One sample was collected from the base of the UST 764A excavation and one sample was collected from the base of the OWS 764B excavation. Samples were analyzed for petroleum hydrocarbons and volatile organic compounds. Petroleum hydrocarbons were detected in both samples, and acetone was detected in one soil sample. A closure report was submitted to OCHCA in 1999.

OCHCA reviewed the data presented in the closure report and referred UST 764A and OWS 764B to the Regional Water Quality Control Board (RWQCB), Santa Ana Region for further evaluation on 15 November 1999. OCHCA correspondence is attached.

Soil samples were also collected from one 25-foot boring near UST 764A during the RFA Sampling Visit. UST 764A was designated as SWMU 214 during the RFA.

The Navy is preparing plans for field data collection activities to support the preparation of a site assessment report for the RWQCB, and extracts from a preliminary draft work plan are attached. The Navy plans to conduct field sampling activities at the former UST Site 764A/OWS Site 764B later in calendar year 2000.

If we do not receive comments from you within forty-five (45) days of receipt of this document, then we will assume that you concur with our recommendations. A formal transmittal letter may follow.

Please do not hesitate to call me at (619) 532-0783 if you have questions pertaining to this project. Thank you very much.

Attachments:

- 1) DTSC E-Mail message dated 24 August 2000
- 2) Photographs 1 and 2. SWMU 213
- 3) OCHCA letter dated 15 November 1999
- 4) Extracts from the preliminary draft plan for the investigation of Former UST Site 764A and Former OWS Site 764B at Building 392 (CDM, 2000)
- 5) Extracts from the Installation Restoration Program, Final Resource Conservation and Recovery Act Facility Assessment Report for Marine Corps Air Station, El Toro, California (Jacobs Engineering Group, 1993)

CF: (w/attachments)
Dean Gould (MCAS El Toro BEC)
John Broderick (RWQCB)
Project File (MCAS El Toro)

ATTACHMENT (1)
DTSC E-MAIL MESSAGES DATED
24 AUGUST 2000

SUPPLEMENTARY TECHNICAL INFORMATION
FOR SOLID WASTE MANAGEMENT UNIT
(SWMU) 213

DATED 19 SEPTEMBER 2000

Hornecker, Lynn M (EFDSW)

From: Triss Chesney [TChesney@dtsc.ca.gov]
Sent: Thursday, August 24, 2000 4:10 PM
To: horneckerlm@efdswnavfac.navy.mil
Subject: Summary Report for SWMU 213

After reviewing the Summary Report for SWMU 213, I have the following questions. According to the report, the wash water from SWMU 213 is conveyed to OWS 764B and UST 764A.

1. It does not appear that a sample was collected near the drain at SWMU 213. Were samples from OWS 764B and UST 764A analyzed for volatile organic compounds (VOCs)?
2. Were any VOCs detected in samples collected from OWS 764B and UST 764A?
3. Has a summary report for OWS 764B and UST 764A been submitted to the RWQCB?

Thanks for your help.

Triss M. Chesney, P.E.
Base Closure and Reuse Unit
Southern California Branch
Office of Military Facilities
(714) 484-5395, tchesney@dtsc.ca.gov

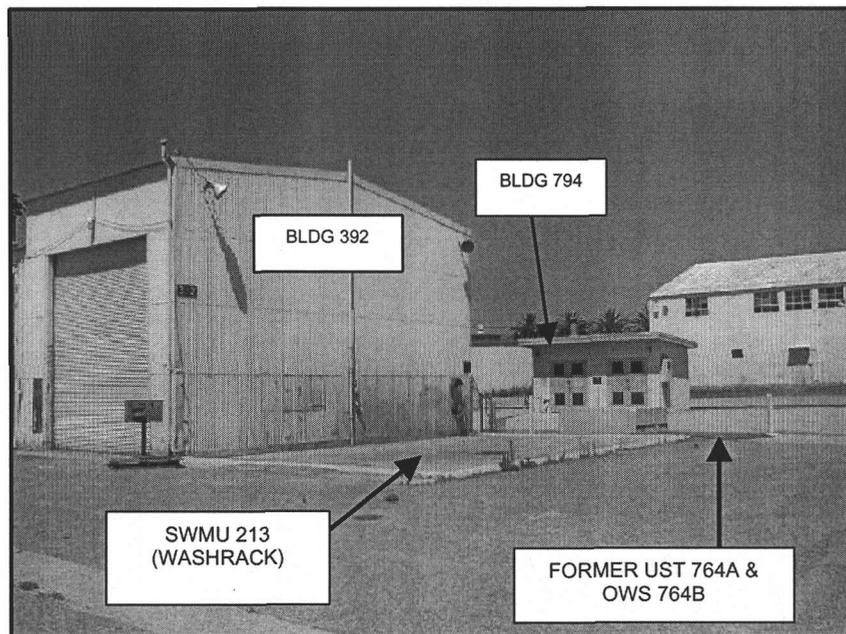
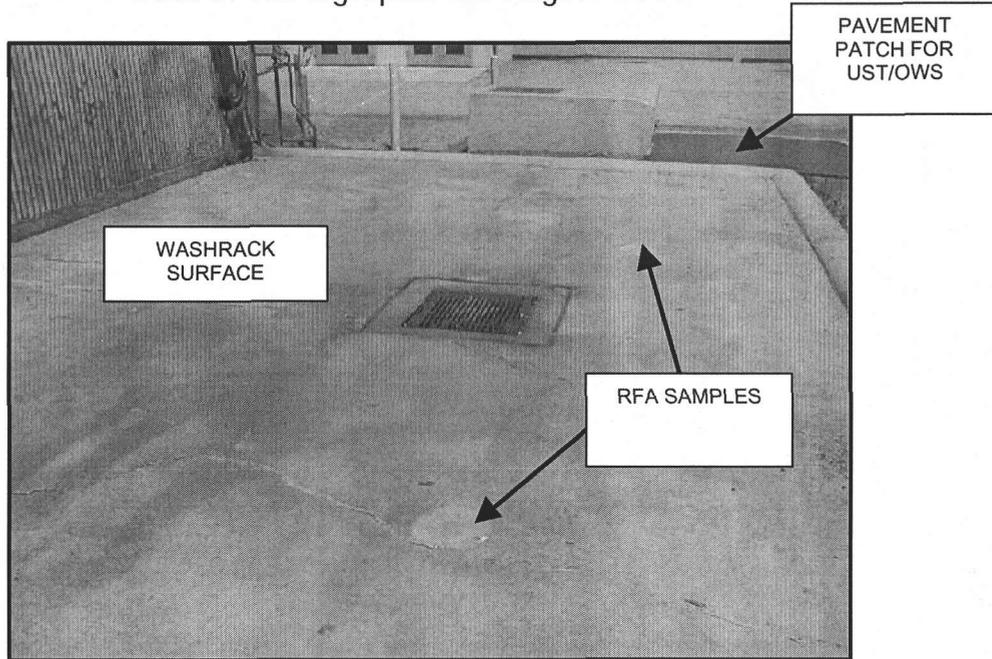
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MCAS EL TORO
SSIC NO. 5090.3

ATTACHMENT (2)
PHOTOGRAPHS 1 AND 2, SMWU 213

SUPPLEMENTARY TECHNICAL INFORMATION
FOR SOLID WASTE MANAGEMENT UNIT
(SWMU) 213

DATED 19 SEPTEMBER 2000

Photographs 1 and 2. Solid Waste Management Unit (SWMU) 213
Former Vehicle Washrack at Building 392
Marine Corps Air Station, El Toro
Date of Photographs: 26 August 2000



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MCAS EL TORO
SSIC NO. 5090.3

ATTACHMENT (3)
OCHCA LETTER DATED 15 NOVEMBER 2000
SUPPLEMENTARY TECHNICAL INFORMATION
FOR SOLID WASTE MANAGEMENT UNIT
(SWMU) 213
DATED 19 SEPTEMBER 2000



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

**HEALTH CARE REGULATORY SERVICES
ENVIRONMENTAL HEALTH**

MICHAEL SCHUMACHER, Ph.D.
DIRECTOR

MIKE SPURGEON
INTERIM DIRECTOR
HEALTH CARE REGULATORY SERVICES

JACK MILLER, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 568-5116

E-MAIL: environhealth@hca.co.orange.ca.us

November 15, 1999

Ms. Patricia Hannon
Santa Ana Regional Water Quality Control Board
3737 Main Street, Suite 500
Riverside, CA 92501-3339

RE: Marine Corps Air Station El Toro
Tank #764A and Oil/Water Separator #764B
Santa Ana, CA 92709

Dear Ms. Hannon:

Due to the detection of soil contamination in samples collected during tank removal activities at the above referenced site, this Agency is referring the case to you for assessment and remediation oversight. It is this Agency's understanding that a copy of the tank closure report documenting the removal and results of all soil sampling will be forwarded to your Agency.

If you have any questions, please call me at (714) 667-3713.

Sincerely,

Arghavan Rashidi-Fard
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

cc: Lynn Hornecker, SWDIV

ATTACHMENT (4)
EXTRACTS FROM THE PRELIMINARY PLAN
DRAFT FOR THE INVESTIGATION OF FORMER
UST SITE 764A AND OWS SITE 764B AT BUILDING
392 (CDM, 2000)

SUPPLEMENTARY TECHNICAL INFORMATION
FOR SOLID WASTE MANAGEMENT UNIT
(SWMU) 213

DATED 19 SEPTEMBER 2000

Draft

EXTRACTS

Work Plan
for
Site Assessment at Building 392
Marine Corps Air Station El Toro
El Toro, California

General Services Administration Contract Number: GS-10F-0227J
Delivery Order: N68711-00-F-0106

NOTE: ANNOTATIONS MADE BY THE
WRITER OF THE TRANSMITTAL ARE
IDENTIFIED WITH AN ARROW OR A
STAR SYMBOL: ☆

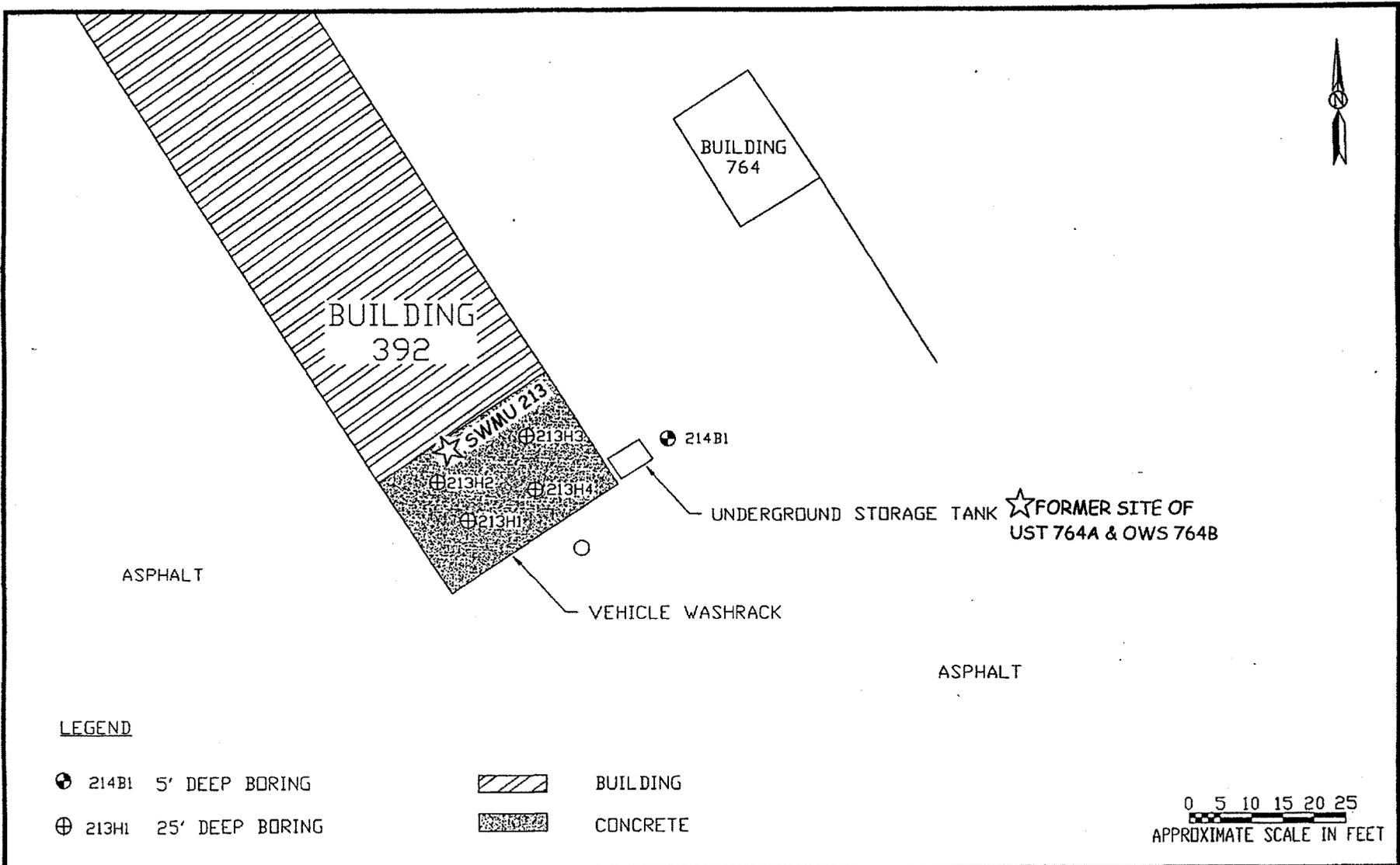
Prepared for:

DEPARTMENT OF THE NAVY
Southwest Division
Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, California 92132

Prepared by:

CDM FEDERAL PROGRAMS CORPORATION
3760 Convoy Street, Suite 210
San Diego, California 92111

21 July 2000



LEGEND

⊕ 214B1 5' DEEP BORING

⊕ 213H1 25' DEEP BORING



BUILDING



CONCRETE

0 5 10 15 20 25

APPROXIMATE SCALE IN FEET

MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA

CDM Federal Programs Corporation
A Subsidiary Of Camp Dresser & McKee Inc.

DATE: 7/2000

FN: 003_2-1

MODIFIED BY: *J. Brown*

PROJECT NO. 1801-003

BUILDING 392
PREVIOUS BORING LOCATIONS
RFA

FIGURE

2-1

Table 2-1
Summary of Soil Sample Results from the UST/OWS Excavation

Analyte	Detection Range
TPH (gasoline range)	ND to 4.1 mg/kg
TPH (diesel range)	231 mg/kg to 12,000 mg/kg
TPH (oil range)	161 mg/kg to 6000 mg/kg
TRPH	462 mg/kg to 19300 mg/kg
xylene	ND to 16.6 µg/kg
acetone	ND to 83.9 µg/kg
p-isopropyltoluene	ND to 119 µg/kg
n-propylbenzene	ND to 12.4 µg/kg
1,2,4-trimethylbenzene	ND to 13.2 µg/kg
1,3,5-trimethylbenzene	ND to 59.7 µg/kg

Source: *Underground Storage Tank and Oil/Water Separator Removal Report (GEOFON 1999)*

mg/kg	milligrams per kilogram
ND	non-detect
OWS	oil/water separator
TPH	total petroleum hydrocarbons
TRPH	total recoverable petroleum hydrocarbons
UST	underground storage tank
µg/kg	micrograms per kilogram

M60050.002916
MCAS EL TORO
SSIC NO. 5090.3

ATTACHMENT (5)
EXTRACTS FROM THE INSTALLATION
RESTORATION PROGRAM, FINAL RESOURCE
CONSERVATION AND RECOVERY ACT FACILITY
ASSESSMENT REPORT

SUPPLEMENTARY TECHNICAL INFORMATION
FOR SOLID WASTE MANAGEMENT UNIT
(SWMU) 213

DATED 19 SEPTEMBER 2000

Extracts from the Installation Restoration Program, Final Resource Conservation and Recovery Act Facility Assessment Report for Marine Corps Air Station, El Toro, California (Jacobs Engineering Group, 1993)

Evaluation Form SWMU/Area of Concern Number 213

Unit Characteristics

The washrack is located adjacent to the south side of Building 392. The washrack consists of a 18 ft by 30 ft concrete pad with a concrete berm. A drain leading to an oil/water separator (SWMU/Area of Concern Number 215), situated to the southeast, is located in the center of the washpad. Nearly the entire surface of the washpad appears discolored/stained. There are several significant cracks present in the concrete pad.

The washrack abuts the south wall of Building 392 and is bordered by asphalt pavement on the remaining three sides. Many small stains are present on the asphalt. Two rectangular, steel solvent (i.e., PD-680) wash tanks are located near the southeast corner of the washpad. One tank is located adjacent to the south side of the washpad. The inside bottom of the tank is moist with an unknown liquid. The second tank, labelled "corrosive," is located adjacent to the east side of the washpad. The tank is bordered by a sandbag berm on the northern to eastern sides. Approximately 1 inch of an unknown liquid covered the inside bottom of the container.

Waste Characteristics

Oily water
PD-680

Possible Migration Pathways

Soil

Evidence of Release

Stained concrete washpad

Exposure Potential

On-station personnel

Recommendations

Because of the staining on the washpad surface and the cracks in the concrete, it is possible that a release to soil may have occurred. A sampling visit is recommended for this washrack.

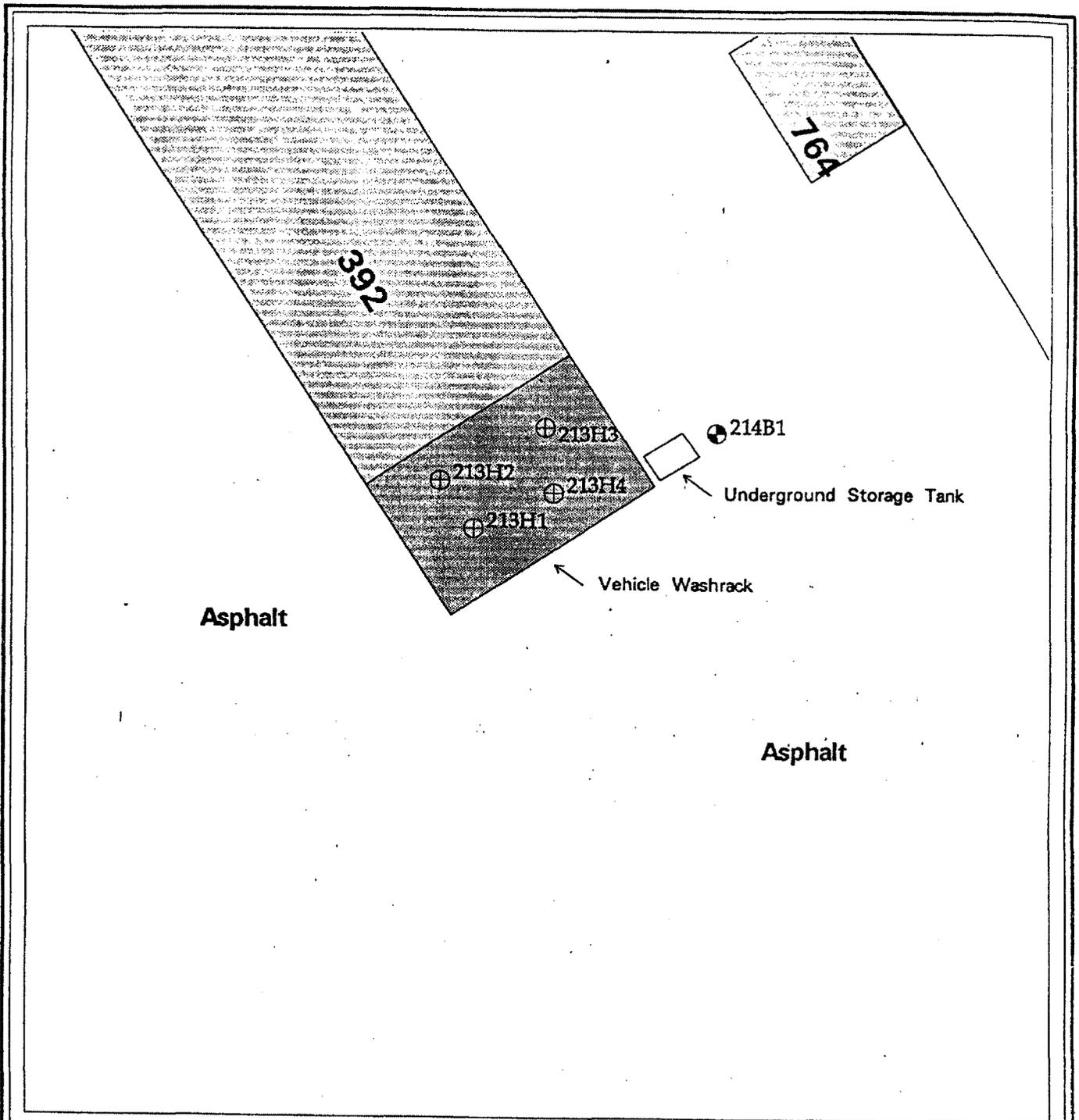


Figure 65 Sample Location Map

Boring Location and Number:

- ⊕ 123H4 5' Deep Boring
- ⊕ 123B4 25' Deep Boring
- ▲ 123A4 60' Long, Angle Boring

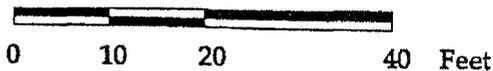
Features:

-  Building
-  Concrete
-  Fence
-  Railroad

SWMU/AOC Number and Type:

- 213 - Vehicle Washrack
- 214 - Underground Storage Tank

Scale



MCAS El Toro
RCRA Facility Assessment

MCAS EL TORO RCRA FACILITY ASSESSMENT – SAMPLING VISIT RESULTS

SWMU/AOC NUMBER	SWMU/AOC TYPE (FIGURE)	BORING NUMBER	SAMPLE DEPTH (FEET)	ANALYTICAL TEST RESULTS							RECOMMENDATIONS	
				TPH (mg/kg)	TFH (mg/kg)		VOCs (ug/kg)	SVOCs (ug/kg)	PESTICIDES/PCBs (ug/kg)	METALS (mg/kg)	Action	Rationale
					Gasoline	Diesel						
213	Vehicle Wash Rack (65)	H1	2	60.6	NA	NA	Methylene Chloride-4 BJ * Acetone-35 B * Toluene-3 J Xylene-7 J PCE-2 J	NA	NA	NA	Repair cracks in pavement. To prevent future migration of petroleum hydrocarbons. TPH/TFH < 1000 ppm VOCs < CRDL CRDL - Contract Required Detection Limit	
			5	170	NA	NA	Methylene Chloride-4 BJ * Acetone-45 B * Toluene-6 J PCE-1 J	NA	NA	NA		
		H2	2	ND	NA	NA	Methylene Chloride-4 BJ * Acetone-12 B * 2-Butanone-3 J	NA	NA	NA		
			2 (Duplicate)	45.9	NA	NA	Methylene Chloride-3 BJ * Acetone-23 B * Xylene-2 J	NA	NA	NA		
			5	733	NA	NA	Methylene Chloride-5 BJ * Acetone-36 B * Toluene-3 J Xylene-9 J PCE-8 J	NA	NA	NA		
		H3	2	39.0	NA	NA	Methylene Chloride-6 BJ * Acetone-13 B * Toluene-3 J	NA	NA	NA		
			5	ND	NA	NA	Methylene Chloride-5 BJ * Acetone-7 BJ *	NA	NA	NA		
		H4	2	34.3	NA	NA	Methylene Chloride-4 BJ * Acetone-46 B * Toluene-2 J PCE-2 J	NA	NA	NA		
			5	ND	NA	NA	Methylene Chloride-5 BJ * Acetone-19 B *	NA	NA	NA		

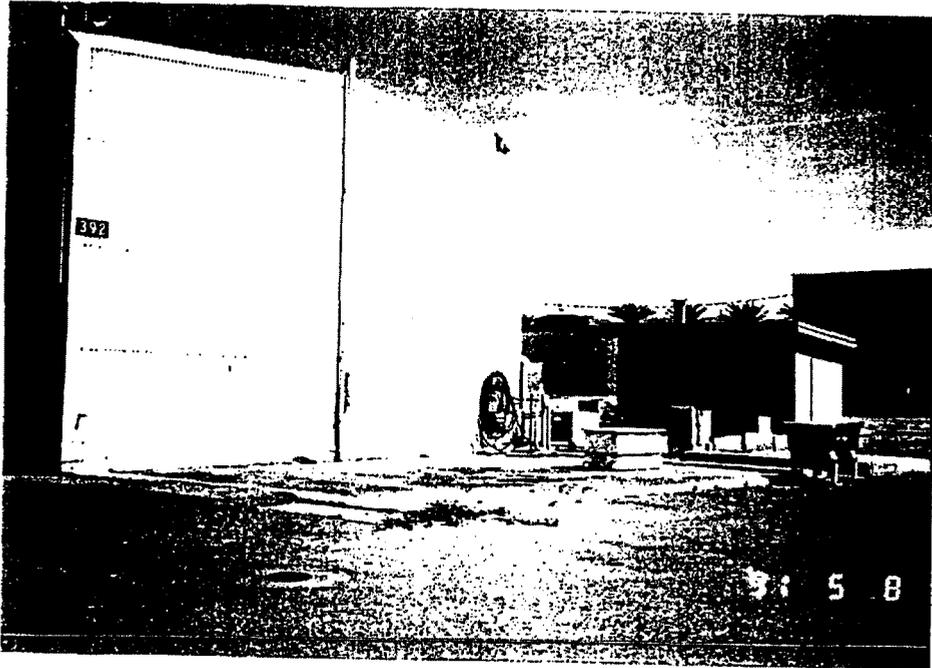
**Evaluation Form
SWMU/Area of Concern
Number 213**

Name: Vehicle Wash Rack 764

Location: Adjacent to Bldg. 392

Size: 540 sq ft

Date of Site Visit: 07 May 91



Period of Operation

Currently active

TRANSMITTAL

Date: 13 Dec 2002

From: Lynn Marie Hornecker
MCAS El Toro



To: Diane Silva
Code ~~04ES.DS~~ Code 05G.DS

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

Installation: Marine Corps Air Station, El Toro

UIC Number: M60050

Document Title (or subject):

APHO documents + SWMU 213
+ UST 75C Rpt

Author:

Recipient:

Record Date:

Approximate Number of Pages:

EPA Category: 01.1

Sites:

Key Words:

Contract: N/A

CTO Number: N/A

As requested

- APHO 1 RPT, APHO 1 Addendum
- DTSC cmts dtd 21 March 2000 on APHO 1
- APHO 42 RPT
- SWMU 213 supplement