

Summary Report

*Former Temporary Accumulation Area 800
Solid Waste Management Unit (SWMU) 229
Former Marine Corps Air Station, El Toro, California*

19 April 2002

Prepared by:
Southwest Division, Naval Facilities Engineering Command
BRAC Programs Office
San Diego, CA 92101-2404

Summary Report

*Former Temporary Accumulation Area 800
Solid Waste Management Unit (SWMU) 229
Former Marine Corps Air Station, El Toro, California*

19 April 2002

Prepared by:

Lynn Marie Hornecker

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Project Manager

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BRAC Programs Office
San Diego, CA 92101-2404

Transmittal

Date: 19 April 2002

From: Lynn Marie Hornecker *LMA*

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

Subj: Former Temporary Accumulation Area (TAA) 800
Solid Waste Management Unit (SWMU) 229
Former Marine Corps Air Station, El Toro

Provided for your review as the attachment is the Summary Report for Former Temporary Accumulation Area (TAA) 800 at the Former Marine Corps Air Station, El Toro. Former TAA 800 is located in the southwestern section of the Station, within the investigation boundary of Installation Restoration Program (IRP) Site 24 - the Volatile Organic Compound (VOC) Source Area.

TAA 800, a ten-foot by twenty-five-foot storage area, was identified as Solid Waste Management Unit (SWMU) 229 during the Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA). Visual inspections and a sampling visit have been conducted during the RFA.

We reviewed historical RFA documentation and other historical records, calculated screening risk levels based upon the RFA soil data, and conducted visual inspections of the former TAA 800 during March and April 2002. The concrete slab and concrete curb are in excellent condition and no stains or significant cracks were observed. Additionally, no stains were observed on the asphalt-paved areas immediately adjacent to TAA 800. RFA field sampling activities did not identify significant releases at the site. The risk screening calculations identified risk levels from approximately 1×10^{-9} to 1×10^{-10} for the residential and industrial reuse scenarios.

Based upon our evaluation of the historical documentation, the screening risk calculations, and our observations from recent visual inspections, we are recommending that no further action status be designated for TAA 800 in the next BRAC Business Plan update.

SOUTHWESTNAVFACENGCOM
BRAC Operations
Code 06CC.LMH
1220 Pacific Highway
San Diego, California 92132-5190

File: ettaa800tr1tr19april2002.doc

If we do not receive comments from your office within sixty (60) days of receipt of this transmittal, then we will assume that you concur with our recommendation to designate no further action status for TAA 800.

Please do not hesitate to call me at (619) 532-0783 if you have questions on the attachment. Thank you very much.

Attachment

Summary Report (SWDIV April 2002)

CF:

Dean Gould (MCAS El Toro BEC)

Project File (MCAS El Toro)

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Section 1

Introduction

The purpose of this Summary Report is to present information pertaining to the former Temporary Accumulation Area (TAA) 800 at the Former Marine Corps Air Station (MCAS), El Toro. TAA 800 was identified as Solid Waste Management Unit (SWMU) 229 during the Resource Conservation and Recovery Act Facility Assessment (RFA). The former TAA 800 is located within Building 825, a corrugated metal structure that is enclosed on three sides and covered with a roof. A concrete curb or berm, approximately 6 inches high, surrounds the unit. Former TAA 800 is located northeast of Building 800, a former military vehicle maintenance shop, in the southwestern section of the Station as shown on Figure 1. Building 800, former TAA 800, and a former fuel dispensing facility are located within a secure compound that is surrounded by a gated chain-link fence. Former TAA 800 is located within the investigation boundaries of Installation Restoration Program (IRP) Site 24 (the Volatile Organic Compound (VOC) Source Area), and IRP Site 8 (the Defense Reutilization and Marketing Office (DRMO) Yard) is located northwest of the Building 800 compound.

The Former Marine Corps Air Station, El Toro, also known as the Station, comprises approximately 4,700 acres in eastern Orange County approximately 45 miles southeast of Los Angeles, California. The Station closed on 2 July 1999 in accordance with the Base Realignment and Closure Act of 1993 (BRAC III). Former TAA 800 is located within a parcel, that prior to 5 March 2002, had been tentatively designated for future use as a transportation facility as shown on Figure 2. Evaluation of other reuse alternatives is in progress as of April 2002.

Historical facility records and documentation from the environmental compliance program were acquired and reviewed, and the vicinity of former TAA 800 was visually inspected. TAA 800 (Building 825) was constructed in 1986, and was in use for hazardous waste storage from approximately 1986 through 1999 based upon historical documentation. No stains were observed during the visual inspections of April 1991, December 1994, November 1995, March 2002, and April 2002. The vehicle maintenance facility was vacated in mid-1999, and has not been in use since mid-1999. Soil samples were collected adjacent to TAA 800 in 1992 and no significant releases were identified. Based upon the review of historical information and the results of the visual inspections and sampling activities, it is recommended that no further action status be designated for former TAA 800 (SWMU 229) in the next BRAC Business Plan update.

Section 2

Field Inspections and Historical Records

2.1 Field Inspections and Sampling Activities

TAA 800 was identified during the Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) as Solid Waste Management Unit (SWMU) 229. TAA 800 consists of a concrete pad, approximately 10 feet wide by 25 feet long that is partially enclosed by a corrugated metal structure as shown in the photographs in the Appendix to this report. A concrete curb or berm, approximately 6 inches high, surrounds the concrete pad. The pad is located on an asphalt-paved area northeast of Building 800.

A small drain-like feature, approximately 4 inches in diameter, is located near the northwestern wall of TAA 800, and this feature is shown on Photograph 2 in the Appendix. The purpose of this feature was not determined during the visual inspections of the TAA. Utility plans and as-built drawings were reviewed, and no sewer lines are shown at TAA 800.

Former TAA 800 is located within the investigation boundary of Installation Restoration Program (IRP) Site 24 – the Volatile Organic Compound (VOC) Source Area. Soil, soil gas, and groundwater samples were collected in the general vicinity of TAA 800 during the remedial investigation and vadose zone remediation activities at IRP Site 24. More than ten soil gas samples were collected within the Building 800 compound during the soil gas survey of 1994 (JEG 1994).

Two soil gas samples were collected near TAA 800 during the soil gas survey of 1994 (JEG 1994). A soil gas sample, 24_SG281, was collected at a depth of 15 feet below ground surface (bgs) on the southwest side of TAA 800 (within approximately 20 feet of the open side of TAA 800); no volatile organic compounds or volatile petroleum hydrocarbons were detected at or above reporting limits. A soil gas sample, 24_SG283, was collected at a depth of 15 feet bgs on the southeast side of TAA 800 (within approximately 100 feet of TAA 800); no volatile organic compounds or volatile petroleum hydrocarbons were detected at or above reporting limits. Extracts from the soil gas survey report (JEG 1994) are included in the Appendix.

Former TAA 800 is located northwest of Agua Chinon Wash that was investigated as IRP Site 25 – the major drainages – and no further action status was achieved for IRP Site 25 in September 1997. Soil, sediment, surface water, and soil gas samples were collected during the investigation of Site 25. A small drainage ditch that discharges to Agua Chinon Wash is located northeast of former TAA 800, and no evidence of spills or discolored soils was observed in the drainage ditch during the visual inspection of April 2002.

The initial visual inspection was conducted on 25 April 1991 and the TAA was described as active. The concrete floor was described as lightly stained, and no significant cracks were observed in the concrete floor or berm.

A sampling visit was conducted in 1992, and a sixty-foot angle boring was advanced adjacent to the northwest side of the TAA. Samples were collected at approximate intervals of ten feet and analyzed for petroleum hydrocarbons, volatile organic compounds, semi-volatile organic compounds, pesticides/PCBs, and metals. Soil data from the angle boring is summarized in Table 1 with screening risk calculations. Extracts from the RFA documentation are included in the Appendix.

Visual inspections of TAA 800 were conducted during December 1994 and November 1995 during the preparation of the Final Addendum to the Resource Conservation and Recovery Act Facility Assessment (Bechtel 1996). The RFA documentation indicates that the TAA was active for storage of anti-freeze, aircraft paint, and non-RCRA waste/hazwaste during the inspections. The documentation indicates that minor oily spots were visible on the concrete pad.

The screening risk calculation in Table 1 is based upon the maximum concentration of trichloroethylene (TCE) with USEPA Region IX Preliminary Remediation Goals (PRGs) dated November 2000. TCE was detected as an estimated value of 4 micrograms per kilogram (ug/kg) "J" (below reporting limits but above instrument detection limits). The risk calculations for the residential and industrial scenarios are each significantly less than 1×10^{-6} .

Table 1. RFA Sampling Visit Data for TAA 800 (SWMU 229).

Sample Identifier	Analytical Results (JEG 1993) Maximum Concentrations are Shown in Bold Print	Comments and Risk Screening Calculations
229A1 (sample depth: 10 feet)	VOCs: Methylene Chloride and Acetone detected in blanks and in field samples TRPH, TPH-Diesel, TPH-Gasoline: ND Metals: Not Above Background SVOCs & Pesticides: ND	
229A1 (sample depth: 20 feet)	VOCs: Methylene Chloride and Acetone detected in blanks and in field samples TRPH, TPH-Diesel, TPH-Gasoline: ND; Metals: Not Above Background; SVOCs & Pesticides: ND	
229A1 (sample depth: 30 feet)	VOCs: Methylene Chloride and Acetone detected in blanks and in field samples TRPH: 71 milligrams/kilogram (mg/kg) TPH-Diesel, TPH-Gasoline: ND; Metals: Not Above Background; VOCs & Pesticides: ND	
229A1 (sample depth: 40 feet)	VOCs: Trichloroethylene (TCE): 4 micrograms per kilogram (ug/Kg) "J" Methylene Chloride and Acetone detected in blanks and in field samples TRPH, TPH-Diesel, TPH-Gasoline: ND Metals: Not Above Background SVOCs & Pesticides: ND	<i>PRGs (USEPA Region 9 November 2000):</i> TCE PRG res: 2.8 mg/kg (ca) TCE PRG ind: 6.1 mg/kg (ca) The cancer risk estimate was calculated using the maximum identified concentration for each analyte with the equation provided in the USEPA Region IX PRG publication dated 2000: Risk = {[concentration μ PRG]} $\times 10^{-6}$ Risk Res. = [0.004 mg/kg/2.8 mg/kg] $\times 10^{-6}$ = 1.43×10^{-9} Risk Ind. = [0.004 mg/kg/6.1 mg/kg] $\times 10^{-6}$ = 6.56×10^{-10}
229A1 (sample depth: 50 feet)	VOCs: Methylene Chloride and Acetone detected in blanks and in field samples TRPH, TPH-Diesel, TPH-Gasoline: ND Metals: Not Above Background SVOCs & Pesticides: ND	
229A1 (sample depth: 60 feet)	VOCs: Methylene Chloride and Acetone detected in blanks and in field samples TRPH, TPH-Diesel, TPH-Gasoline: ND Metals: Not Above Background SVOCs & Pesticides: ND	
Risk Summary		Residential Risk: 1.43×10^{-9} Industrial Risk: 6.56×10^{-10}

TAA 800 was also identified in the Final Environmental Baseline Survey (EBS) Report (JEG 1995) as an active satellite accumulation area (SAA). The EBS identifies no further action status for SAA 800 based upon the RFA, and extracts from the EBS are included in the Appendix.

Representatives from the Navy conducted visual inspections of the former TAA 800 on 15 March 2002 and 11 April 2002. On 15 March 2002, the surface of the concrete floor was inspected closely and no significant stains or cracks were observed on the concrete floor or on the curb. The concrete floor and curb appeared to be in excellent condition. Additionally, no stains or discolored areas were observed on the asphalt-paved areas adjacent to former TAA 800 on in the drainage ditch northeast of the TAA. Photographs from the visual inspections of March and April 2002 are included in the Appendix.

2.2 Historical Property Records and Environmental Program Records

Property records and information from previously published environmental compliance and environmental restoration program projects were acquired and reviewed. Some of the documents are included in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Administrative Record. Extracts from selected documents are included in the Appendix.

According to the plant account records, TAA 800 was constructed as Building 825 in 1986. The property records identify the structure as a hazardous materials storage locker. The TAA encompasses an area of approximately 250 square feet.

The following table presents historical information pertaining to former TAA 800 and nearby buildings or locations of concern.

Table 2. Former TAA 800 Vicinity, MCAS El Toro.

Building or Feature Identifier	Approximate Date of Construction or Installation	Comments
TAA 800 (SWMU 229)	1986	Building 825. Former hazardous waste accumulation area. Approximate dimensions: 10 feet by 25 feet.
Building 800	1986	Vehicle Maintenance Facility (322 ft long by 97 ft wide) / approximate area: 30,661 square feet. Facility has been vacant since mid-1999.
UST 800G	1986	Battery Acid Neutralization Tank located approximately 200 feet southwest of TAA 800. Removal of Tank is planned for calendar year 2002 with investigation to follow.
UST 800A UST 800B UST 800C	1986	Former fuel dispensing facility on the southwest side of Building 800. Diesel and kerosene storage tanks, each with a capacity of 10,000 gallons, have been removed, and the Orange County Health Care Agency (OCHCA) concurred with no further action status on 9 December 1999.
UST 800E (SWMU 231)	1986	Former waste oil tank located on the northeast side of Building 800. The tank has been removed, and OCHCA concurred with no further action status on 20 April 1999.
UST 800D (SWMU 230)	1986	Former waste oil tank located on the southwest side of Building 800. The tank has been removed, and OCHCA concurred with no further action status on 20 April 1999.
OWS 800F	1986	OWS has been closed in place and field sampling has been completed. RWQCB concurred with no further action status on 28 September 2000.
OWS 802	1986	Located more than 500 feet from TAA 800. OWS has been closed in place and field sampling has been completed. RWQCB concurred with no further action status on 28 September 2000.
UST 675A (SWMU 188)	1982	UST (near OWS 675B & OWS 675C along Agua Chinon Wash) has been closed in place, and OCHCA concurred on closure on 10 December 1997.
OWS 675B (SWMU 292) & OWS 675C	1982	Two inactive oil/water separators on Agua Chinon Wash, more than 400 feet south-southeast of TAA 800.
SAIC Anomaly 70	12 December 1952	<p>SAIC 70, identified on an aerial photograph taken on 12 December 1952, is located approximately 200 to 300 feet southeast of TAA 800. The anomaly is described as "A trench (TR) with possible liquid (LQ) at its north end is located near South Marine Way and Agua Chinon Canyon Wash. The possible liquid may be darkening caused by a shadow. The purpose of the trench is unknown, but may be related to a storm drainage system. Additional investigation is not recommended at this time unless contamination is detected near the site, or downgradient of the site."</p> <p>Comments: TAA 800 and Building 800 had not been constructed in 1952. A small drainage ditch is located parallel to South Marine Way, and this ditch discharges into Agua Chinon Wash approximately 200 feet southeast of TAA 800. The vicinity of the anomaly was investigated during the investigation of IRP Site 25 – the major drainages – that included Agua Chinon Wash. Soil gas samples were collected in the general vicinity of the anomaly during the soil gas survey for IRP Sites 24 and 25 during 1994.</p>
IRP Site 24		<p>VOC Source Area.</p> <p>The interim Record of Decision (ROD) for the vadose zone was signed in 1997, and vadose zone remediation was conducted with soil vapor extraction (SVE) treatment at a central treatment facility and several remote portable units.</p> <p>The final ROD to include groundwater remediation at IRP Sites 18 and 24 is planned for completion during calendar year 2002.</p>
USEPA Anomalies		No USEPA anomalies are located within 200 feet of TAA 800.

Regional Water Quality Control Board, Santa Ana Region Correspondence

The RWQCB letter dated 23 June 1989 (Administrative Record ID M60050.001130) addresses several solvent storage areas and drum storage areas, however, the letter does not identify Building or TAA 800. A copy of the letter is included in the Appendix.

A list dated 17 April 1989 (AR Identifier M60050.000776) of areas where hazardous substances were used or wastes were generated does not identify Building or TAA 800. The list is included in the Appendix.

Storm Water Pollution Prevention Plan (SWPPP)

Visual inspections of areas where hazardous materials and hazardous wastes were stored were conducted in 1993 during the development of the SWPPP. The SWPPP indicates that no industrial activities were observed at Building 825 (TAA 800) during the inspection of 1993. The SWPPP identified antifreeze, lube oil, and sulfuric acid as hazardous materials that were used at Building 800. The SWPPP recommended that the oil/water separator be routinely inspected and maintained and that the spill prevention, control, and countermeasures plan be made available to facility staff. The SWPPP also includes a spill history table in Section 5, and this table does not identify historic spills near at or near Building or TAA 800. Extracts from the SWPPP are included in the Appendix.

Historical Aerial Photograph Anomalies

Science Applications International Corporation (SAIC) evaluated historical aerial photographs of the MCAS El Toro and the results of the evaluation are published in the *Final Report, Aerial Photograph Assessment, MCAS El Toro* (SAIC, 1993). The United States Environmental Protection Agency (USEPA) evaluated historical aerial photographs of MCAS El Toro and the results of the evaluation are published in the *Site Analysis, El Toro MCAS, Orange County, California* (USEPA, 1991). The USEPA report did not identify anomalies within approximately 200 to 300 feet of TAA 800. The SAIC anomaly located closest to former TAA 800 (SAIC anomaly 70) is identified and discussed within Table 2.

2.3 Ground Water Conditions

Groundwater conditions in the vicinity of former TAA 800 were investigated during the remedial investigation of IRP Site 24 and IRP Site 18 (Regional Groundwater). Monitoring wells 18_BGMW05A, 18_BGMW05B, 18_BGMW05C, 18_BGMW05D, 18_BGMW05E, and 18PS4 are located within or near the Building 800 compound, on the southwest side of Building 800. The depth to groundwater near former TAA 800 is approximately 81 feet below ground surface based upon the 1996 water level measurement at well 18_BGMW05D (screened from 83 to 133 feet below ground surface) (CDM Federal 2000). The groundwater beneath former TAA 800 is contaminated with trichloroethylene (TCE), and groundwater remediation will be addressed following the completion of a Record of Decision for IRP Site 24.

Section 3

Findings and Recommendations

The following findings are based upon information collected during the record search activities and from observations during the visual inspections of the vicinity of former TAA 800:

- Former TAA 800, a temporary accumulation area at Building 825, was identified during Resource Conservation and Recovery Act Facility Assessment (RFA) as Solid Waste Management Unit (SWMU) 229. The TAA structure includes a concrete slab with curb, metal enclosure that is closed on three sides, and a roof. The TAA is approximately 10 feet wide by 25 feet long. The TAA was described as active during the visual inspection of 1991. Additionally, the RFA visual inspections of December 1994 and November 1995 indicated that the unit was active and that minor oily spots were visible on the concrete pad.
- A sampling visit was conducted at TAA 800 in 1992. An angle boring was placed on the northwest side of TAA 800 and samples were collected at intervals of approximately 10 feet. The results of the inspections and sampling activities indicated that no significant releases had occurred at TAA 800. Trichloroethylene (TCE) was detected at a maximum concentration of 0.004 mg/kg "J" (40-foot sample) and total recoverable petroleum hydrocarbons were detected at 71 mg/kg (30-foot sample). Screening risk levels were calculated using the maximum TCE concentration. The excess cancer risk attributable to TCE for residential and industrial reuse scenarios was significantly less than 1×10^{-6} . (Residential Risk: 1.43×10^{-9} ; Industrial Risk: 6.56×10^{-10})
- Former TAA 800 is located within the investigation boundary of IRP Site 24, and two soil gas samples were collected during the 1994 soil gas survey near former TAA 800. VOCs and petroleum hydrocarbons were not detected at or above reporting limits.
- The Navy inspected the former TAA 800 on 15 March and 11 April 2002. No significant stains were observed on the concrete surfaces of the floor or on the curb of the TAA. No significant cracks were observed in the concrete surfaces of the floor or on the curb. No stains or discolored areas were observed on the asphalt-paved areas surrounding the TAA or in the drainage ditch located northeast of the TAA.

Based upon the absence of visual evidence of a significant release at or near former TAA 800, the results of the screening risk calculations, and the excellent condition of the concrete floor and curb, it is recommended that no further action status be designated for TAA 800 in the next BRAC Business Plan Update

Section 4

References and/or Sources of Information

Bechtel National, Incorporated. 1996. Final Addendum to the RCRA Facility Assessment, MCAS El Toro, California [Navy Contract N68711-92-D-4670, CTO 65]

CDM Federal Programs Corporation. 2000. Groundwater Monitoring Data Summary Report, 1999 Monitoring Round 9, 10, & 11, Marine Corps Air Station, El Toro, California. June. [GSA contract GS-10F-0227J, DO N68711-00-F-0102]

County of Orange. 1999. Preferred Land Use Plan, Concept B. August. [prepared by the MCAS El Toro Local Redevelopment Authority]

Jacobs Engineering Group (JEG). 1993. Installation Restoration Program, Final Resource Conservation and Recovery Act Facility Assessment Report for Marine Corps Air Station, El Toro, California. [Navy Contract N68711-89-D-9296, Contract Task Order 193]

Jacobs Engineering Group (JEG). 1994. Marine Corps Air Station El Toro, El Toro, California, Installation Restoration Program, Remedial Investigation/Feasibility Study, Final Soil Gas Survey, Technical Memorandum. October. [Navy Contract N68711-89-D-9296, Contract Task Order 145]

Jacobs Engineering Group (JEG). 1995. Marine Corps Air Station El Toro, El Toro, California, Final Environmental Baseline Survey Report. April. [Navy Contract N68711-89-D-9296, Contract Task Order 284]

Naval Facilities Engineering Command, Southwest Division. 1997. Plant Account Record for MCAS El Toro.

NBS/Lowry Engineers - Planners. 1988. Oil and Hazardous Substance Spill Prevention, Control and Countermeasure Field Survey Report, SPCC Plan, and Spill Contingency Plan for the U. S. Marine Corps Air Station, El Toro, California. [Administrative Record ID # M60050.000800]

Roy F. Weston. 1984. Hazardous Materials/Hazardous Waste Engineering Study. [Administrative Record ID # M60050.000899]

Science Applications International Corporation (SAIC). 1994. Final, Marine Corps Air Station, El Toro, Hazardous Material/Hazardous Waste Management Plan {with Appendices C and I, Hazardous Waste Accumulation Areas and Photographs of Accumulation Points and Hazardous Material Storage Areas}. August. [Contract N68711-92-D-4658, Delivery Order Number 4].]

Science Applications International Corporation (SAIC). 1993. Final Report, Aerial Photograph Assessment, MCAS El Toro. Contract N68711-91-D-4658, Delivery Order 0002, SAIC Project No. 01-0892-0817.

SCS Engineers. 1979. Oil and Hazardous Substance Spill Prevention, Control, and Countermeasure Field Survey Report and SPCC Plan (Administrative Record Identifier M60050.000808).

United States Environmental Protection Agency. 1991. Site Analysis, El Toro MCAS, Orange County, California.

United States Marine Corps Air Station, El Toro. 2001. Base Realignment and Closure (BRAC) Business Plan.

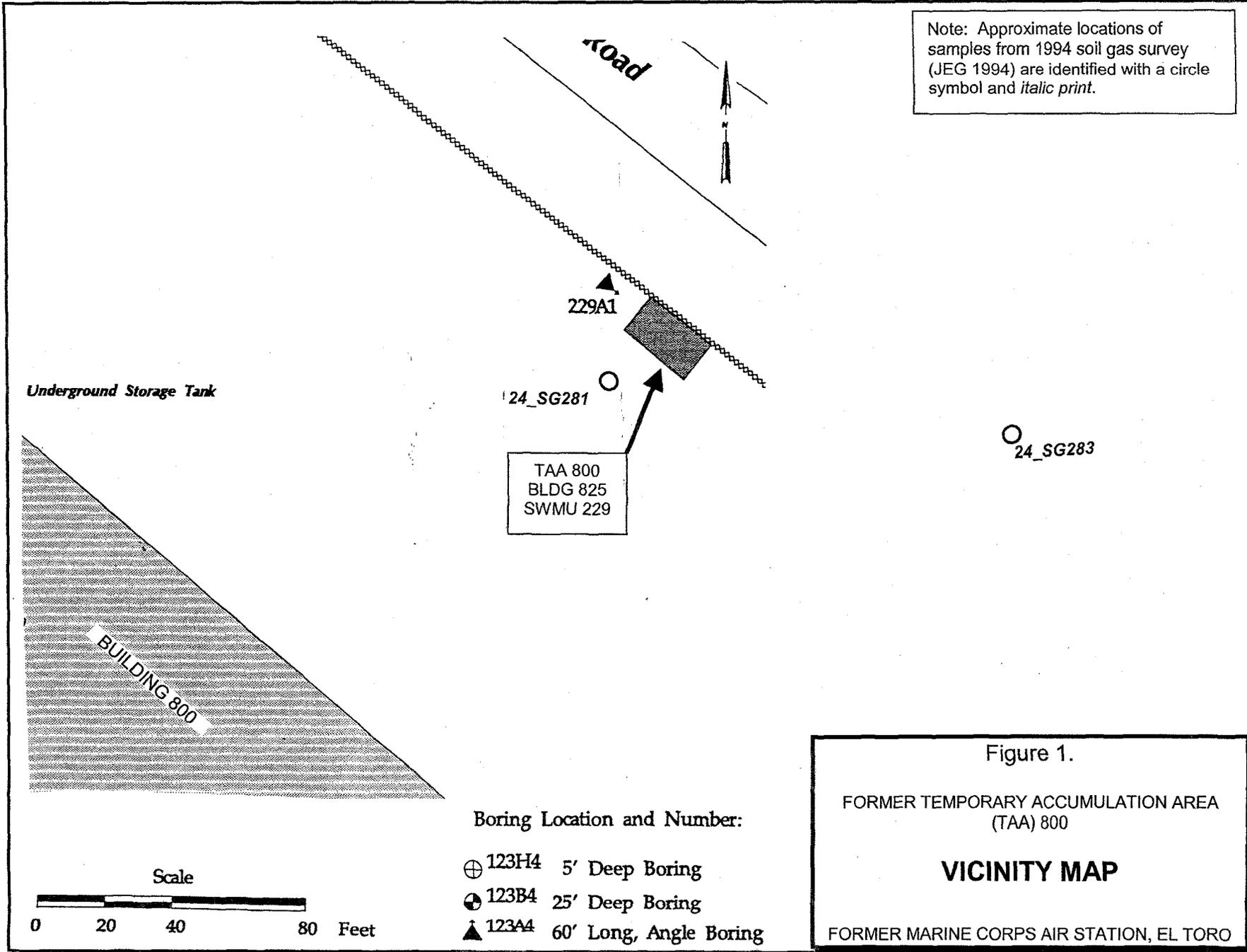
United States Marine Corps Air Station, El Toro. Circa 1946-1999. Station Property Records, Utility Maps, Construction Drawings, Facility Maps, Aerial Photographs, and Building Guides.

CERCLA Administrative Record (AR) Documents:
AR Identifier M60050.001130
AR Identifier M60050.000776

FIGURES

SUMMARY REPORT FORMER TEMPORARY ACCUMULATION AREA 800, SOLID WASTE MANAGEMENT UNIT (SWMU) 229

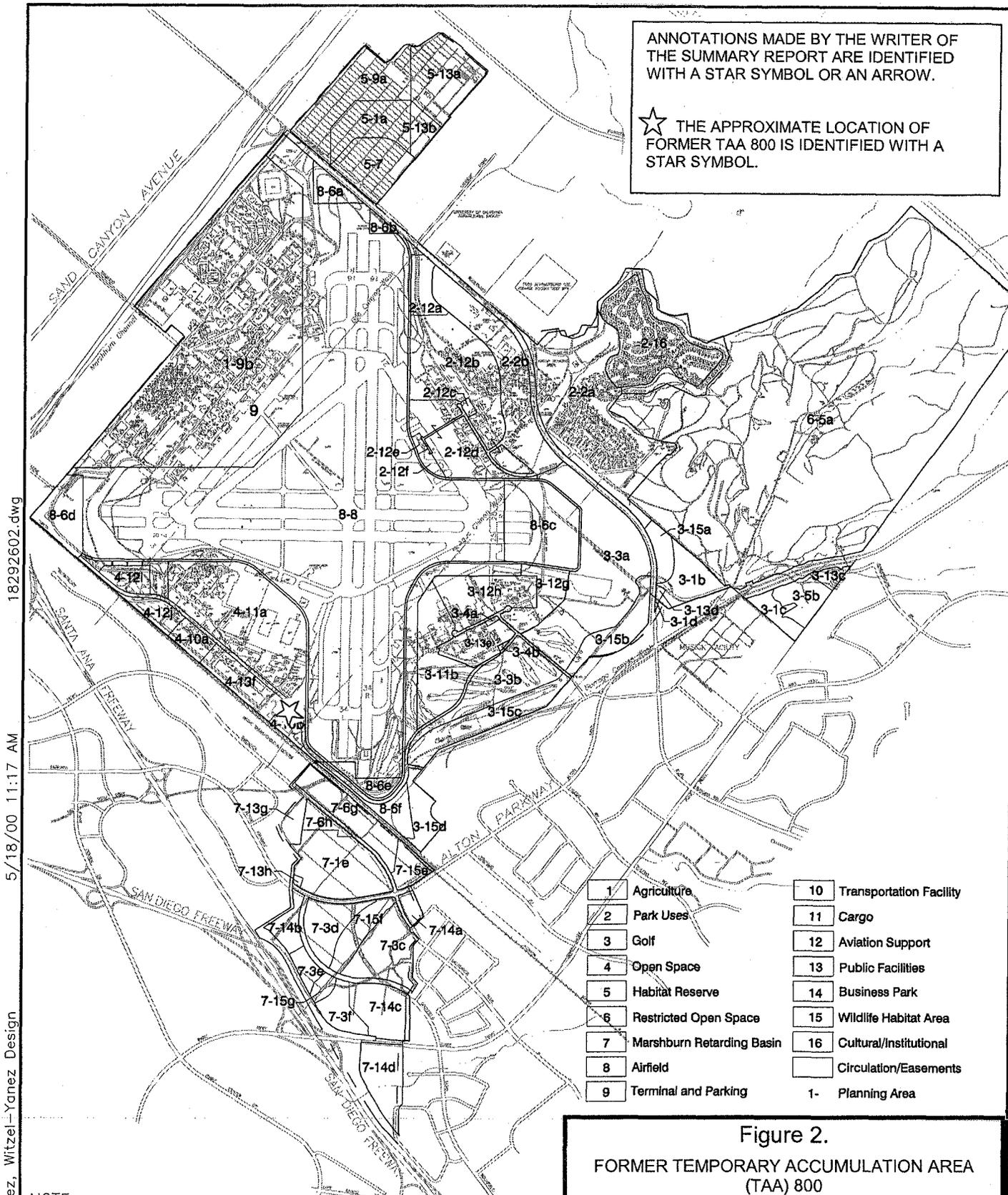
DATED 19 APRIL 2002



REUSE OF FACILITY IS UNDER RE-EVALUATION
AS OF SPRING 2002

ANNOTATIONS MADE BY THE WRITER OF THE SUMMARY REPORT ARE IDENTIFIED WITH A STAR SYMBOL OR AN ARROW.

★ THE APPROXIMATE LOCATION OF FORMER TAA 800 IS IDENTIFIED WITH A STAR SYMBOL.



1	Agriculture	10	Transportation Facility
2	Park Uses	11	Cargo
3	Golf	12	Aviation Support
4	Open Space	13	Public Facilities
5	Habitat Reserve	14	Business Park
6	Restricted Open Space	15	Wildlife Habitat Area
7	Marshburn Retarding Basin	16	Cultural/Institutional
8	Airfield		Circulation/Easements
9	Terminal and Parking	1-	Planning Area

Figure 2.
FORMER TEMPORARY ACCUMULATION AREA (TAA) 800
TENTATIVE REUSE PARCEL LOCATIONS
FORMER MARINE CORPS AIR STATION, EL TORO

NOTE:
PARCEL IDENTIFIERS ARE PROVIDED FOR THE PURPOSE OF ILLUSTRATION AND ARE SUBJECT TO FINAL DESIGN AND PHASING.

Source of Reuse Information: County of Orange (1999)

18292602.dwg

5/18/00 11:17 AM

Jane Witzel-Yanez, Witzel-Yanez Design

Appendix

Site Photographs and Other Documentation

Site Photographs

Extracts From RFA, EBS, and IRP Site 24 Soil Gas Survey Documentation

Extracts from MCAS El Toro Property Records, Building Guides, and
Historical Facility Maps

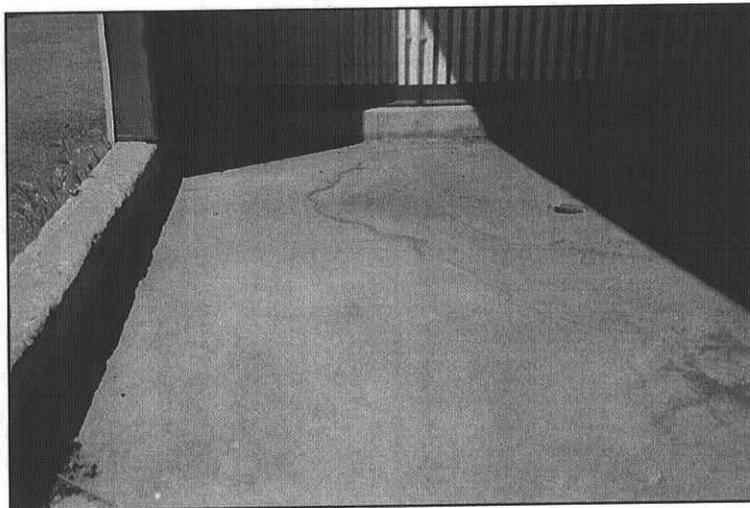
Extracts from historical hazardous waste management documents

No Further Action Decision Documents for Nearby Locations of Concern

**Photograph 1. Former Temporary Accumulation Area (TAA) 800
Solid Waste Management Unit (SWMU) 229
(structure is approximately 10 feet wide by 25 feet long)
Marine Corps Air Station, El Toro
Date of Photograph: 15 March 2002**



**Photograph 2. Concrete Floor of Former TAA 800
Marine Corps Air Station, El Toro
Date of Photograph: 15 March 2002**



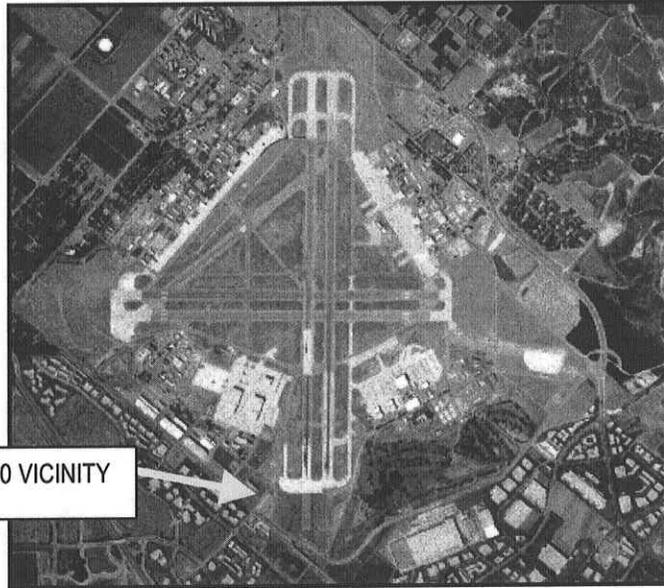
Photograph 3. Former TAA 800 Vicinity.
Building 800 at center left and TAA 800 (Building 825) at center right.
Marine Corps Air Station, El Toro
Date of Photograph: 11 April 2002



Photograph 4. Former TAA 800 at right side of access road to Building 800 compound.
Drainage ditch at left side of access road.
Marine Corps Air Station, El Toro
Date of Photograph: 11 April 2002



**Aerial Photograph. Vicinity of Former TAA 800
Marine Corps Air Station, El Toro
Date of Aerial Photograph: 1994**



FORMER TAA 800 VICINITY

SOUTHWESTNAVFACENGCOM
CODE 06CC.LMH
SAN DIEGO, CA 92101

Extracts from RFA, EBS, and IRP Site 24 Soil Gas Survey Documentation

MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
FINAL RESOURCE CONSERVATION
AND RECOVERY ACT (RCRA)
FACILITY ASSESSMENT REPORT

VOLUME I

16 July 1993

EXTRACTS

PREPARED BY:
Southwest Division, Naval Facilities
Engineering Command
1220 Pacific Highway
San Diego, California 92132-5190

THROUGH:
CONTRACT #N68711-89-D-9296
CTO #193
DOCUMENT CONTROL NO:
CLE-C01-01F193-S2-0001

WITH:
Jacobs Engineering Group Inc.
3655 Nobel Drive, Suite 200
San Diego, California 92122

In association with:
International Technology Corporation
CH2M HILL

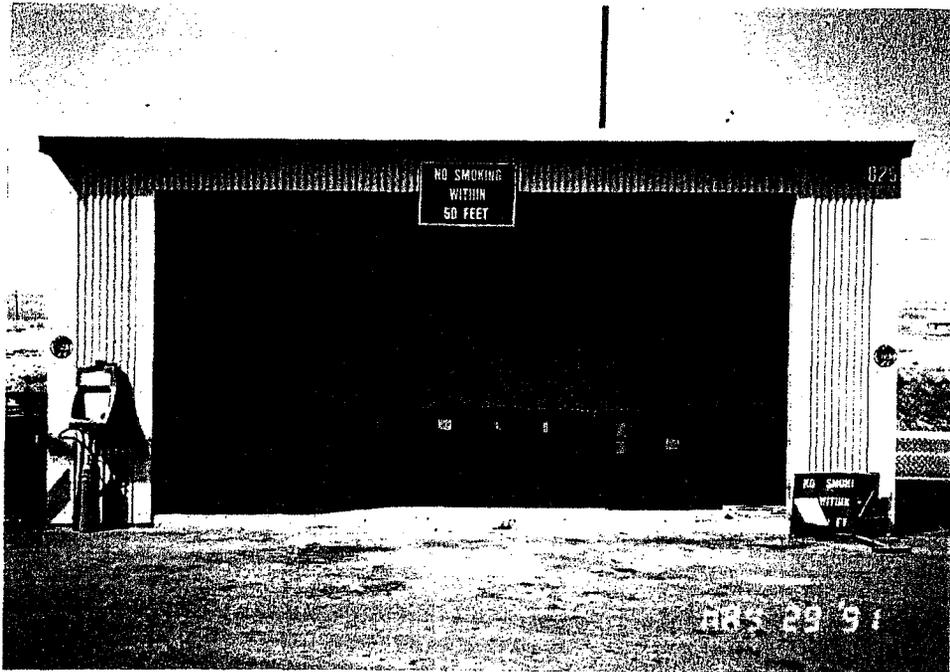
**Evaluation Form
SWMU/Area of Concern
Number 229**

Name: Hazardous Waste Storage Area

Location: East of Building 800

Size: 260 sq ft

Date of Site Visit: 25 April 1991



Period of Operation

Currently active

**Evaluation Form
SWMU/Area of Concern
Number 229**

Unit Characteristics

This HWSA is located east of Building 800, adjacent to the southeastern boundary fence of the facility. The HWSA measures 10 x 20 ft in size. It consists of a concrete storage area surrounded by an 8-in. concrete berm. The storage area is protected on three sides by aluminum siding and covered by an aluminum roof. The HWSA is used to store waste oil, antifreeze, expired batteries, hydraulic fluid, and waste grease. The storage area is lightly stained. There are no significant cracks in the concrete storage surface or berm.

Waste Characteristics

Waste oil
Antifreeze
Expired batteries
Grease

Possible Migration Pathways

Soil

Evidence of Release

Light staining on storage surface

Exposure Potential

Authorized on-Station personnel

Recommendations

Although there was no evidence of a release outside of the storage area, the past and present HWSAs at MCAS El Toro are recommended for a sampling visit.

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						
229	Hazardous Waste Storage Area (68)	A1	10	ND	ND	ND	Methylene Chloride-16 B *	ND	ND	NAB	NFA TPH/TFH < 100 ppm VOCs < CRDL SVOCs < CRDL Pest/PCB < CRDL Metals < BGT CRDL - Contract Required Detection Limit BGT - Background Threshold Value	
			20	ND	ND	ND	Methylene Chloride-24 B *	ND	ND	NAB		
			30	71	ND	48.8	Methylene Chloride-22 B *	ND	ND	NAB		
			40	ND	ND	ND	Methylene Chloride-24 B *	ND	ND	NAB		
			50	ND	ND	ND	Methylene Chloride-7 BJ *	ND	ND	NAB		
			60	ND	ND	ND	Methylene Chloride-5 BJ *	ND	ND	NAB		
							Acetone-13 B *					
							Acetone-18 B *					
							Acetone-25 B *					
							TCE-4 J					
							Acetone-50 B *					
							Acetone-8 BJ *					

Southwest Division
Naval Facilities Engineering Command
Contracts Department
1220 Pacific Highway, Room 135
San Diego, CA 92132-5187

Contract No. N68711-92-D-4670

**COMPREHENSIVE LONG-TERM ENVIRONMENTAL
ACTION NAVY
CLEAN II**

**FINAL ADDENDUM TO THE
RCRA FACILITY ASSESSMENT
MCAS EL TORO, CALIFORNIA
(VOLUME 6 OF THE FINAL RFA REPORT)**

CTO-0065/0170

May 1996

Prepared by:

BECHTEL NATIONAL, INC.
401 West A Street, Suite 1000
San Diego, CA 92101



Signature: _____

Jacques Lord, CTO Leader

Date: _____

31 May 1996

ACCUMULATION AREA EVALUATION CHECKLIST

(CIRCLE AS APPROPRIATE AND FILL IN COMPLETELY)

JOB 22214 CTO-0065
NAVY CLEAN II MCAS EL TORO RFA CONFIRMATION ACTIVITIES

GENERAL DESCRIPTION:

SWMU #: 229 Accumulation Area (AA) #: 800
Location (bldg): HWSA/Bldg. 800
Site Contact: Sgt. Payne Ext: 2686
Permission for Access? Y N If yes, explain: N/A.
Type of Wastes Observed None

TYPE: (CIRCLE AS APPROPRIATE)

~~Locker~~ ~~Cabinet~~ Pad ~~Concrete/Soil/Asphalt~~ floor
 Berm ~~Fence~~ Fence Type: ~~Indoor~~
 Pallets Drum(s) No. of Drums: 16 Outdoor

CONDITION:

~~Stain(s)~~ ~~Odor(s)~~ ~~Crack(s)~~
Placards/Labels: Y N If Yes, list: Non-RCRA Waste / Hazwaste
Anti-freeze
Aircraft Paint

Observations: Concrete pad with minor oily spots. "Butler Building" over pad.
Small drain/sump hole, 4" in diam., unknown connections.
Status: Active as of 11-10-95, 15" diameter capped.

DIMENSIONS: (ESTIMATED SIZE OR AREA IN FT)

AA/SWMU: 8x20 ft.
"Stain(s)" : None.
Any Restrictions To Access?: Roof and walls.

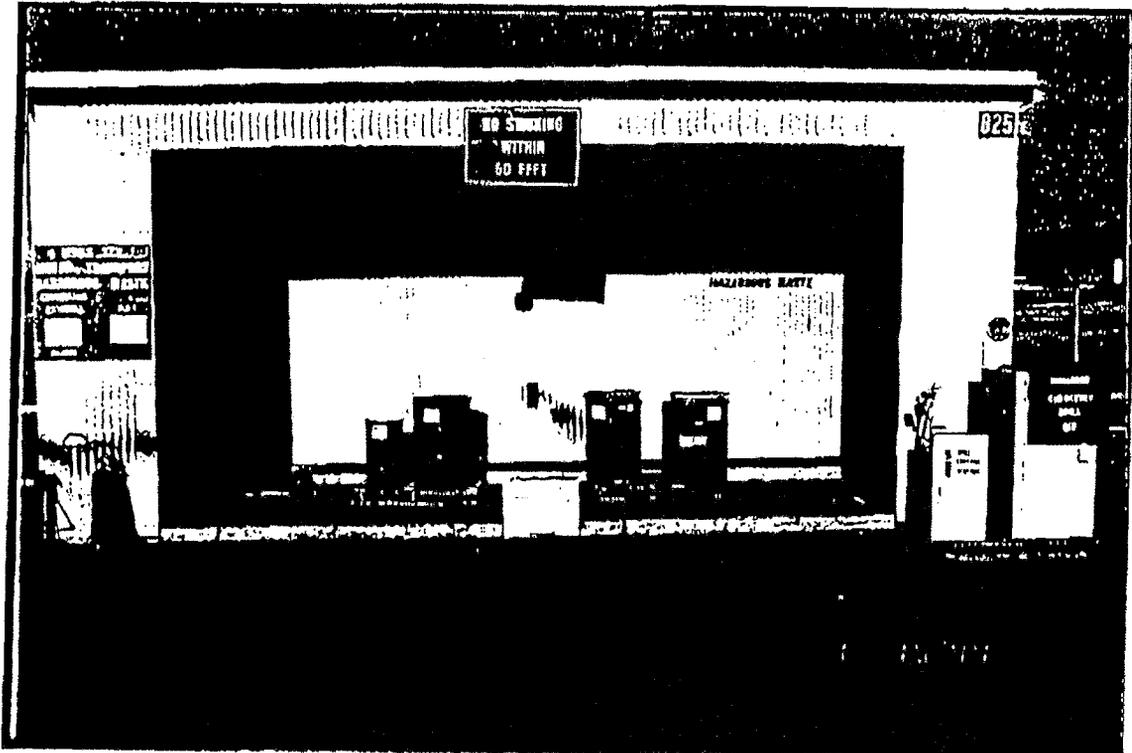
EVALUATION OF REMOVAL/DECONTAMINATION STRATEGY (CIRCLE AS APPROPRIATE)

Yes No Potential for release evident based on this surveillance
Yes No Potential for simple removal
Yes No Potential for decontamination activities prior to removal
Yes No Potential for sampling (describe: _____)
Yes No Potential for removal after additional assessment activities

SKETCH: (MAKE A SKETCH or ATTACH PHOTO(S) OF RELEVANT ACCESS, OBJECTS, WORK SPACE, ETC., AS APPROPRIATE, ON REVERSE OF THIS FORM)

DATE/TIME OF SURVEILLANCE: 12/2/94/15:10
UPDATED: 11-10-95/12:00
SURVEILLANCE PERFORMED BY: Larry Bauman

PHOTO LOG



SWMU #: 229

PHOTO DATE: 12-14-94

MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
FINAL ENVIRONMENTAL
BASELINE SURVEY REPORT

01 April 1995

Revision 0

EXTRACTS

PREPARED BY:
Southwest Division, Naval Facilities
Engineering Command
1220 Pacific Highway
San Diego, California 92132-5190

THROUGH:
CONTRACT #N68711-89-D-9296
CTO #284
DOCUMENT CONTROL NO:
CLE-C01-01F284-S2-0004

WITH:
Jacobs Engineering Group Inc.
401 West A Street, Suite 1905
San Diego, California 92101

In association with:
International Technology Corporation
CH2M HILL

M. W. Arends

3/31/95

Mike Arends, P.E.
CLEAN Project Manager
CH2M HILL, Inc.

Date

Max Pan

3-31-95

Max Pan, P.E.
CLEAN Technical Reviewer
IT Corporation

Date

Table 3-7 Less Than 90-Day Accumulation Area Inventory MCAS El Toro EBS Report - April 1995					
Database Tracking	Building Number	Status	SWMU/AOC	Comments	AREA TYPE
SAA 441	441	Inactive	256	RFA recommended NFA	3
SAA 442	442	Inactive	126	Sampling Visit Not Recommended During PR/VS	2
SAA 445	445	Inactive	127	Sampling Visit Not Recommended During PR/VS	2
SAA 447	447	Inactive	130	RFA recommended NFA	3
SAA 456	456	Inactive	135	Sampling Visit Not Recommended During PR/VS	2
SAA 461	461	Active	138	RFA recommended NFA (1)	2
SAA 462	462	Active	140	Sampling Visit Not Recommended During PR/VS	2
SAA 529	529	Inactive	144	RFA recommended NFA	2
SAA 534	534	Inactive	146	Sampling Visit Not Recommended During PR/VS	2
SAA 602	602	Inactive	147	RFA recommended NFA	3
SAA 605	605	Active	149	RFA recommended NFA	3
SAA 606	606	Active	255	RFA recommended NFA	2
SAA 626	626	Active	158	IRP Site 20 (1)	7
SAA 634	634	Active		Identified in 1994 SPCC Plan	7
SAA 636	636	Inactive	160	RFA recommended NFA	3
SAA 651	651	Active	165	Located within SWMU/AOC 164	3
SAA 658	658	Active	171	Shallow soil borings recommended	7
SAA 671	671	Active	172	RFA recommended NFA	2
SAA 672	672	Inactive	177	Sampling Visit Not Recommended During PR/VS	2
SAA 673	673	Active	186	RFA recommended NFA	2
SAA 693	693	Active		Identified in Station's HW Open Drum Inspection Report	7
SAA 698	698	Active		Identified in 1994 SPCC Plan	7
SAA 744	744	Active		Identified in 1994 SPCC Plan	7
SAA 746	746	Active		Identified in Station's HW Open Drum Inspection Report	7
SAA 747	747	Active		Identified in Station's HW Open Drum Inspection Report	7
SAA 761	761	Inactive		Located at IRP Site 6 (2)	7
SAA 765	765	Inactive	266	Sampling Visit Not Recommended During PR/VS	2
SAA 769	769	Inactive	222	RFA recommended NFA	2
SAA 770	770	Inactive	223	RFA recommended NFA	3
SAA 771	771	Inactive	224	RFA recommended NFA	2
SAA 772	772	Inactive	225	RFA recommended NFA	3
SAA 778	778	Inactive	226	RFA recommended NFA	3
SAA 779	779	Inactive	227	RFA recommended NFA	3
SAA 800	800	Active	229	RFA recommended NFA	2
SAA 831	831	Active		Identified in Station's HW Open Drum Inspection Report	7
SAA 856	856	Active	234	RFA recommended NFA	3
SAA 900	900	Active		Environmental Office accumulation area	7

Annotations made by the writer of the Summary Report are identified with a star symbol or an arrow.



THE EBS INDICATES THAT NO FURTHER ACTION IS RECOMMENDED FOR TAA 800 (ALSO KNOWN AS SATELLITE ACCUMULATION AREA (SAA) 800)

Table 3-7 Less Than 90-Day Accumulation Area Inventory MCAS El Toro EBS Report - April 1995					
Database Tracking	Building Number	Status	SWMU/AOC	Comments	AREA TYPE
NOTES: (1) - SWMUs/AOCs that were determined to be located within RI/FS site boundaries were eliminated from RFA sampling visits. These SWMUs/AOCs will be investigated in the IRP. (2) - Accumulation areas are currently being evaluated for removal and/or decontamination strategies. * - Indicates RFA recommendation of "no further action" is pending U.S. EPA approval. PR/VSJ - Preliminary Review/Visual Site Inspection performed as part of the RFA. IRP - Installation Restoration Program RFA - RCRA Facility Assessment NFA - No Further Action Sources: Jacobs, 1993. MCAS El Toro Final RCRA Facility Assessment Report. MCAS El Toro Hazardous Waste Open Drum Inspection Report Sheet SAIC, 1994. Draft Oil and Hazardous Substances Spill Prevention and Countermeasure Plan and Contingency Plan (SPCC).					

MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
FINAL SOIL GAS SURVEY
TECHNICAL MEMORANDUM
SITES 24 AND 25

Revision 0

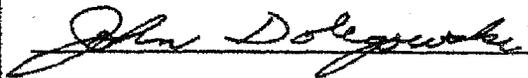
EXTRACTS

PREPARED BY:
Southwest Division, Naval Facilities
Engineering Command
1220 Pacific Highway
San Diego, California 92132-5190

THROUGH:
CONTRACT #N68711-89-D-9296
CTO #145
DOCUMENT CONTROL NO:
CLE-C01-01F145-S2-0004

WITH:
Jacobs Engineering Group Inc.
3655 Nobel Drive, Suite 200
San Diego, California 92122

In association with:
International Technology Corporation
CH2M HILL

 28 Oct '94
Date

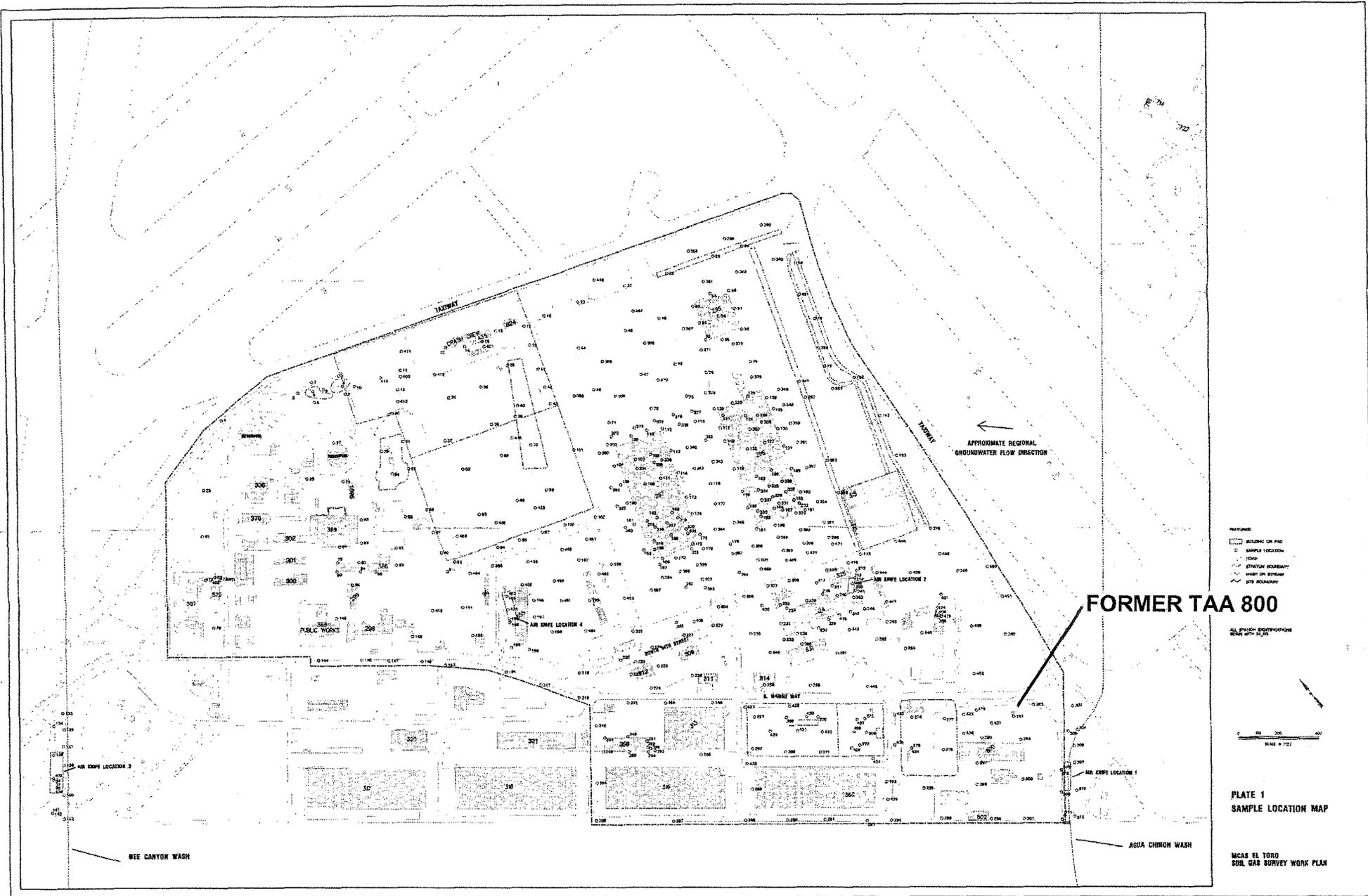
John Dolegowski
CLEAN Project Manager
CH2M HILL, Inc.



27 OCT '94

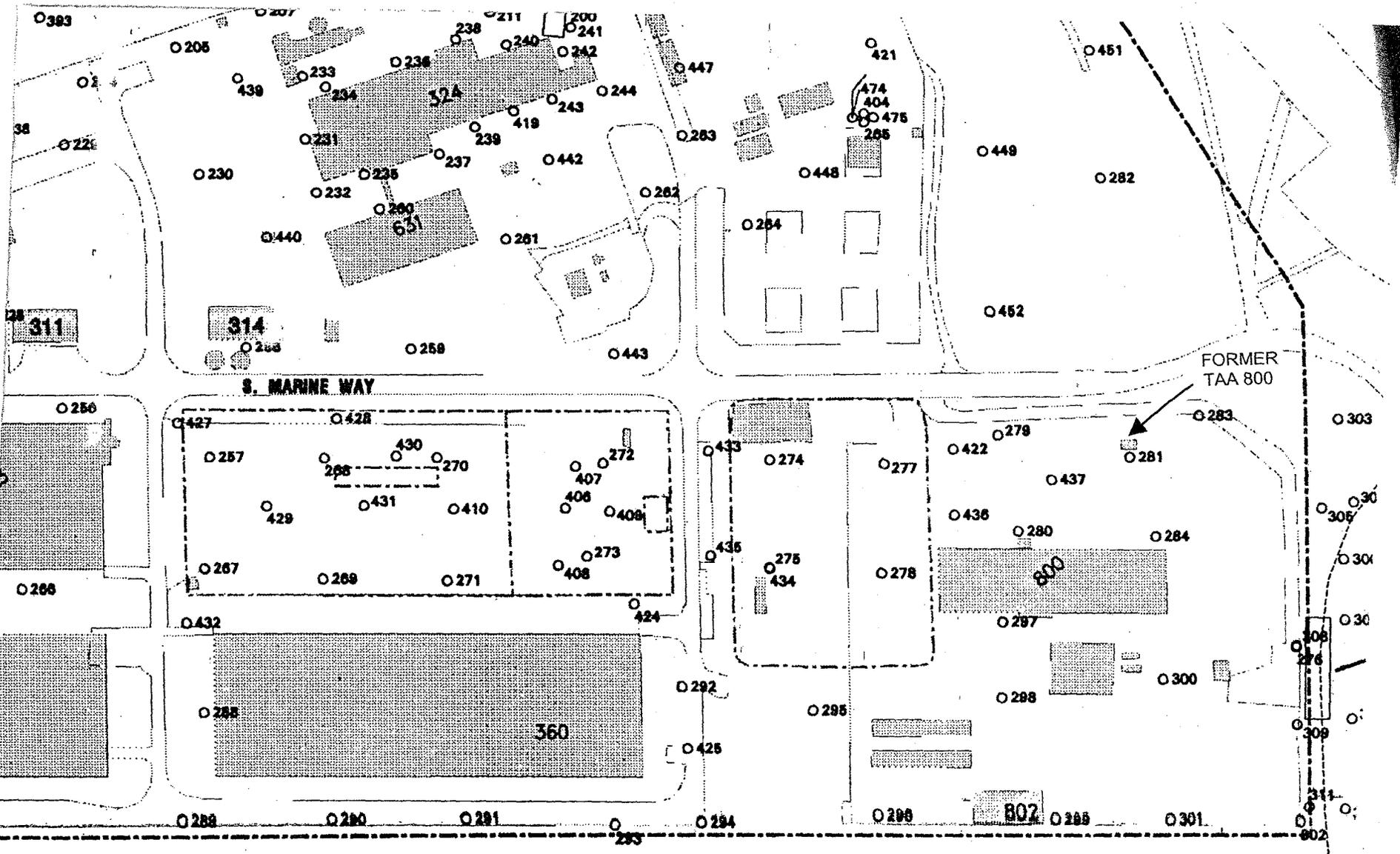
Date

Michael Bitner, R.G.
CLEAN Technical Reviewer
CH2M HILL, Inc.



**SAMPLE LOCATIONS
SOIL GAS SURVEY OF 1994 (from JEG 1994)**

MCAS EL TORO SOIL GAS SURVEY WORK PLAN



Annotations have been made by the writer of the Summary Report to identify features near the former TAA 800.

Soil gas sample locations from 1994 are identified with a numeric identifier, such as 281. Table C-1 uses the long version of the sample identifier, 24_SG281.

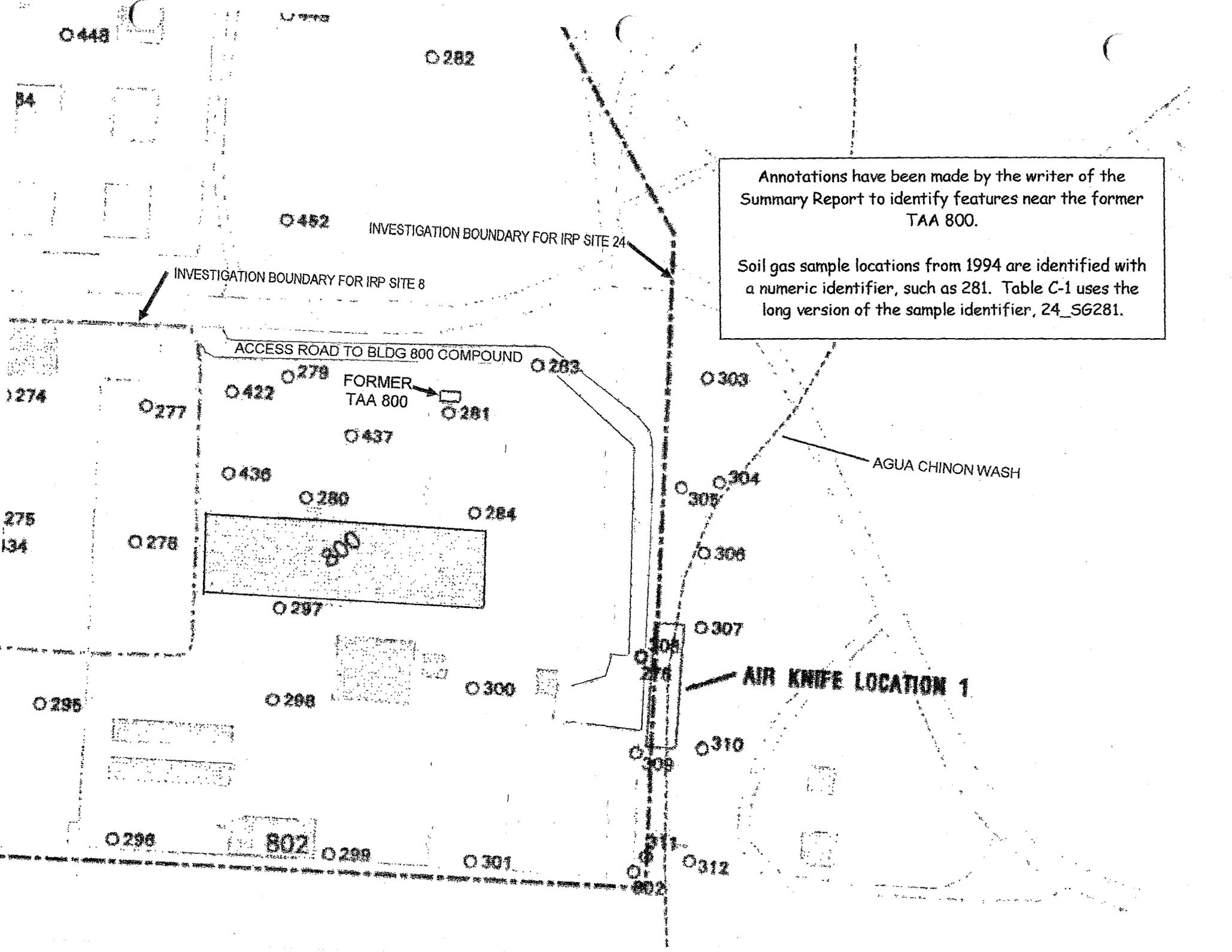


Table C-1
Concentrations in Soil Gas
MCAS El Toro Soil Gas Survey Technical Memorandum

Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station ID	Depth	Sample ID	Smp. Date	Smp. Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG275	15	S145G1275	8/16/94	14:07	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG276	12	S145G1276	8/2/94	17:47	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG276	12	S145G3001	8/2/94	17:48	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG276	20	S145G1576	8/2/94	18:25	1U		1U		1.7	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG277	12	S145G1277	8/16/94	13:40	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG278	15	S145G1278	8/16/94	13:24	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG279	15	S145G1279	8/16/94	10:24	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG279	16	S145G3087	8/16/94	10:24	1U		0.3 E		32 FI	1U	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG280	15	S145G1280	8/16/94	10:03	1U		1.1		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG281	16	S145G1281	8/16/94	9:45	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG282	15	S145G1282	8/16/94	8:51	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG282	20	S145G1582	8/2/94	20:05	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG283	15	S145G1283	8/16/94	9:13	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG284	15	S145G1284	8/16/94	10:51	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG285	15	S145G1285	8/15/94	14:57	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG286	15	S145G1286	8/15/94	15:21	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG287	15	S145G1287	8/15/94	15:47	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG287	15	S145G3151	8/15/94	15:48	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG288	12	S145G1288	8/10/94	14:31	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG288	18	S145G1588	8/10/94	14:40	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG289	15	S145G1289	8/15/94	16:07	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG280	15	S145G1290	8/15/94	16:30	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG291	16	S145G1291	8/15/94	16:52	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG292	12	S145G1292	8/10/94	15:02	1U		1.8		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG292	12	S145G3070	8/10/94	15:02	1U		1.9		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG292	20	S145G1592	8/10/94	15:10	1U		3		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG293	15	S145G1293	8/16/94	8:30	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG293	15	S145G3154	8/16/94	8:31	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG294	15	S145G1294	8/16/94	8:15	1		12.6 E		63 FI	1U	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG295	15	S145G1295	8/16/94	8:50	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG296	15	S145G1296	8/16/94	10:10	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG297	15	S145G1297	8/16/94	9:55	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG296	15	S145G1298	8/16/94	8:35	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG299	15	S145G1299	8/16/94	11:10	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG300	9	S145G1300	8/16/94	9:15	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG301	15	S145G1561	8/16/94	10:30	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG301	15	S145G3155	8/16/94	10:31	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG302	15	S145G1802	8/16/94	10:50	1U		3.2		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG303	9	S145G1603	8/20/94	14:28	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG303	9	S145G3091	8/20/94	14:28	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG304	9	S145G1604	8/20/94	12:40	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG308	11	S145G1606	8/20/94	12:06	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG307	15	S145G1807	8/20/94	11:41	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG308	12	S145G1808	8/2/94	16:52	1U		1U		1.1	1.8	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG308	12	S145G2061	8/2/94	16:44	1U		1U		1	2.6	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG308	12	S145G2002	8/2/94	23:17	1U		1U		1U	1.8	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG308	12	S145G2003	8/2/94	16:43	1U		1U		1U	3	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG306	12	S145G2004	8/8/94	17:10	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	14.3	1U	8.1	1U	1U
24_SG308	12	S145G3002	8/2/94	18:51	1U		1U		1U	1.4	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG306	12	S145G2004	8/2/94	18:43	1U		1U		1.1	3.4	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG306	12	S145G3005	8/2/94	23:18	1U		1U		1U	2	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG308	12	S145G3006	8/3/94	15:44	1U		1U		1U	3	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.7	1U	1U
24_SG308	12	S145G3007	8/8/94	17:11	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG309	12	S145G1809	8/2/94	19:20	1U		1U		1	1	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG309	12	S145G2005	8/2/94	20:08	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
24_SG309	12	S145G2006	8/2/94	23:20	1U		1U		1U	1U	1U	1U		5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

SOUTHWESTNAVFACENGCOM
CODE 06CC.LMH
SAN DIEGO, CA 92101

Extracts from MCAS El Toro Property Records, Building Guides, and Historical Facility Maps

BLDG CLASS 2 PROPERTY RECORD

TIME: 08:23:59

DATE: 94/10/29

(004) UIC..M60050
MCAS EL TORO SANTA ANA CA

(001) PR NO.....202979
(005) FACILITY NO..825
(106) SPEC AREA....

(604) EXCESS CODE..
(605) EXCESS DATE..

PR LAST UPDATED....23 APR 1991

LOCATION

(101) COUNTRY..US UNITED STATES
(102) STATE....06 CALIFORNIA
(103) COUNTY...059 ORANGE
(104) CITY.....0000
(107) MAP GRID.U10

GENERAL INFORMATION

(007) ACTION.....ACQUISITION
(008) FAM HOUSING....NO
(009) EE DATE.....
(011) PR REVIEW DATE.23 APR 1991
(010) FACILITY NAME..
HAZ MATERIAL LOCKER

ACQUISITION

(201) ESTATE.....11 MCON
(202) ACQ CONTRACT...N6247480C9828
(203) ACQ DATE.....21 MAR 1986
(204) GOVT COST..... \$9,814
(CONST, DESIGN, OVERHEAD & OTHER)
(205) APPR/EST.....
(206) APPR/EST DATE..
(207) LAND CCN.....91140
(014) NATO JFAI.....

INGRANTS

(208) DOD INSTL.....
(209) RENT PAID.....
(210) REF PR NO.....
(211) IG EFF DATE....
(212) IG EXP DATE....
(213) IG MAX TERM....
(233) IG EFD CONTR...
(234) IG LESSOR NAME.

MEASUREMENTS

	ENGLISH	METRIC
(301) LENGTH....	25 FT	8 M
(302) WIDTH....	10 FT	3 M
(303) HEIGHT....	12 FT	4 M
(304) / (308) AREA/UM...	250 SF	23 m2
(305) STORIES...	01	
(307) IRREGULAR.	NO	

CONSTRUCTION

(401) YEAR BUILT.....1986
(402) CONSTRUCTION TYPE..PERMANENT
(403) YEAR IMPROVED.....
(410) HISTORIC IND...
(404) ABMP CODE.....
(409) CURR PROJ ID...PO50
(411) ORIG PROJ ID...

MAINTENANCE

(701) MAINT UIC..M60050 (702) PRIME USE....44130 (703) MFC...4 USMC

Property Record for Building 825 (Temporary Accumulation Area (TAA) 800)

12/27/91

BLDG
TIME: 08:23:59

C L A S S 2 P R O P E R T Y R E C O R D

DATE: 94/10/29

(C - O - N - T - I - N - U - A - T - I - O - N)

(004) UIC..M60050
MCAS EL TORO SANTA ANA CA

(001) PR NO.....202979
(005) FACILITY NO..825
(106) SPEC AREA....

(604) EXCESS CODE..
(605) EXCESS DATE..

PR LAST UPDATED....23 APR 1991

S T A T U S / U T I L I Z A T I O N

(502) CATEGORY CODE...44130 (501) USE..HAZ MATERIAL LOCKER
(510) USER UIC.....M09023.....MWSS 373
(511) USE LAST UPDATED.12 OCT 1994

ENGLISH	AREA/SF*	OTHER/TC	ALT/SH	DEF CODES
ADEQ (515)250.00+	(516)1,500.00+	(517)6.00	(524)
SBST (518)		(519)	(520)	(525)
INAD (521)		(522)	(523)	(526)
TOTAL	250.00	1,500.00	6.00	
METRIC	AREA/m2*	OTHER/m3	ALT/m	
ADEQ (515)23.23+	(516)42.48+	(517)1.83	(524)
SBST (518)		(519)	(520)	(525)
INAD (521)		(522)	(523)	(526)
TOTAL METRIC	23.23	42.48	1.83	

Property Record for Building 825 (Temporary
Accumulation Area (TAA) 800)

94OCT29

EFD.N68711

MC.M00027

*ACTIVITY.M60050 PR.2-02979

802	21455	VEHICLE WASHRACK	N6247480C9828	19860321	SF	4,000	100	40	12	\$169,170	\$220,001	1986	1988
803	12310	FUEL ISLAND	N6247480C9828	19860321		0	0	0	0	\$60,315	\$78,470	1986	
804	12310	FUEL ISLAND	N6247480C9828	19860321		0	0	0	0	\$60,315	\$78,470	1986	1986
825	44130	HAZ MATERIAL LOCKER	N6247480C9828	19860321	SF	250	25	10	12	\$9,814	\$12,768	1986	
826	17120	INERT WEAPONS/STORAGE BLDG	N6247484C1751	19860801	SF	4,050	100	44	13	\$234,205	\$304,646	1986	1990
6678	71170	HOUSING BLDG "C" SITE 1	N6247483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
6679	71170	HOUSING BLDG "A" SITE 1	N6247483C2095	19861001	SF	8,364	123	67	25	\$241,569	\$314,281	1986	
6680	71170	HOUSING BLDG "C" SITE 1	N6247483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
6681	71170	HOUSING BLDG "A" SITE 1	N6247483C2095	19861001	SF	8,364	123	67	25	\$241,569	\$314,281	1986	
6682	71170	HOUSING BLDG "C" SITE 1	N6247483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
6683	71170	HOUSING BLDG "A" SITE 1	N6247483C2095	19861001	SF	8,364	123	67	25	\$241,569	\$314,281	1986	
6684	71170	HOUSING BLDG "C" SITE 1	N6247483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
6685	71170	HOUSING BLDG "A" SITE 1	N6247483C2095	19861001	SF	8,364	123	67	25	\$241,569	\$314,281	1986	
6686	71170	HOUSING BLDG "B" SITE 1	N6247483C2095	19861001	SF	11,764	173	67	28	\$509,651	\$663,056	1986	
6687	71170	HOUSING BLDG "B" SITE 1	N6247483C2095	19861001	SF	11,764	173	67	28	\$509,651	\$663,056	1986	
6688	71170	HOUSING BLDG "C" SITE 1	N6247483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
6689	71170	HOUSING BLDG "C" SITE 1	N6247483C2095	19861001	SF	11,764	173	67	28	\$509,651	\$663,056	1986	
6690	71170	HOUSING BLDG "C" SITE 1	47483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
6691	71170	HOUSING BLDG "C" SITE 1	17483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
			17483C2095	19861001	SF	8,364	123	67	25	\$241,569	\$314,281	1986	
			17483C2095	19861001	SF	11,764	173	67	28	\$509,651	\$663,056	1986	
			17483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
			17483C2095	19861001	SF	8,364	123	67	25	\$241,569	\$314,281	1986	
			17483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
			17483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
			17483C2095	19861001	SF	9,240	140	67	27	\$283,938	\$369,403	1986	
			17483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
			17483C2095	19861001	SF	9,240	140	67	27	\$283,938	\$369,403	1986	
			17483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
			17483C2095	19861001	SF	9,240	140	67	27	\$283,938	\$369,403	1986	
			17483C2095	19861001	SF	6,720	95	70	28	\$194,086	\$252,506	1986	
			17483C2095	19861001	SF	9,240	140	67	27	\$283,938	\$369,403	1986	
			17483C2095	19861001	SF	9,240	140	67	27	\$283,938	\$369,403	1986	
6704	71172	1901, 1911 & 1912 DYER	N6247483C2095	19861001	SF	9,240	140	67	27	\$283,938	\$369,403	1986	
6705	71172	1832 & 1842 MARTIN	N6247483C2095	19861001	SF	3,672	106	73	18	\$223,489	\$290,759	1986	
6706	71172	1802 & 1812 MARTIN	N6247483C2095	19861001	SF	3,672	106	73	18	\$223,489	\$290,759	1986	
6707	71172	1821 & 1831 MARTIN	N6247483C2095	19861001	SF	3,672	106	73	18	\$223,489	\$290,759	1986	
6708	71172	1851 & 1861 MARTIN	N6247483C2095	19861001	SF	3,672	106	73	18	\$223,489	\$290,759	1986	
	71172	1881 & 1891 MARTIN	N6247483C2095	19861001	SF	3,672	106	73	18	\$223,489	\$290,759	1986	
	85115	LOADING DOCK	N6247483C2177	19860715	SY	12	0	0	0	\$21,312	\$27,727	1986	
823	74020	TEMPORARY LODGING FACILITY	N6247483C2531	19860828	SF	23,800	170	140	12	\$912,445	\$1,187,260	1986	1989
836	76020	AIRCRAFT DISPLAY (GATE 9)	19860606			0	0	0	0	\$2,375	\$3,090	1986	
824	14140	AIRCRAFT RECOVERY FACILITY	N6247484C1753	19861015	SF	2,112	66	32	12	\$189,471	\$246,482	1986	1990
793	74004	MCDONALD'S	19850401	SF	3,754	64	56	12	\$522,000	\$689,562	1985		
6857	83230	SEWER LIFT STATION	N6247483C2095	19860708		0	0	0	0	\$83,003	\$107,987	1986	
799	74071	CLASS IV PACKAGE STORE	N6247482C0741	19861021	SF	10,000	100	100	12	\$909,449	\$1,181,644	1986	
	84310	FIRE PROTECTION PIPELINE	N6247481C8829	19861223		0	0	0	0	\$616,499	\$768,451	1986	1990
	81212	TRANSFORMERS @ B. 462	N6247481C8829	19861223		0	0	0	0	\$270,888	\$352,425	1986	
	81212	TRANSFORMERS @ B.461	N6247481C8829	19861223		0	0	0	0	\$91,412	\$118,927	1986	
	81212	TRANSFORMER @ B. 800	N6247480C9828	19860321		0	0	0	0	\$46,785	\$60,867	1986	
	85110	ROADS (SITE 1)	N6247483C2095	19861001	SY	14,459	0	0	0	\$156,346	\$203,406	1986	
	85220	SIDEWALKS (SITE 1)	N6247483C2095	19861001	SY	2,978	0	0	0	\$84,876	\$110,213	1986	1988
	87210	SOUND WALL (SITE 1)	N6247483C2095	19861001		0	0	0	0	\$92,515	\$120,362	1986	
	87210	FENCING (SITE 1)	N6247483C2095	19861001		0	0	0	0	\$11,413	\$14,848	1986	
	75057	RECREATION GRDS SITE 1	N6247483C2095	19861001		0	0	0	0	\$7,140	\$9,289	1986	
	75057	RECREATION GRDS SITE 1	N6247483C2095	19861001		0	0	0	0	\$7,140	\$9,289	1986	

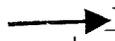
Annotations made by the writer of the Summary Report are identified with a star symbol or an arrow.

★ Plant Account Records for Building 825 (TAA 800) and the nearby Building 800.

	87210	CHAIN LINK FENCE (212 UNITS)	N6247481C8934	19831209		0	0	0	0	\$29,000	\$40,165	1983	
	85110	ROADS (212 UNITS)	N6247481C8934	19831209	SY	28,333	0	0	0	\$275,000	\$380,875	1983	
	85220	SIDEWALKS (212 UNITS)	N6247481C8934	19831209	SY	8,141	0	0	0	\$91,000	\$126,035	1983	
	81212	TRANSFORMERS (212 UNITS)	N6247481C8934	19831209		0	0	0	0	\$22,800	\$31,578	1983	
785	21106	PASCOE BUILDING		19840701	SF	5,600	140	40	20	\$34,778	\$45,951	1984 1985	
755	14187	LOX/NOX BLDG	N6247481C7357	19830531	SF	150	15	10	10	\$25,338	\$35,321	1983	
756	14187	LOX/NOX SHED	N6247481C7357	19830531	SF	150	15	10	10	\$25,337	\$35,320	1983	
	85235	LOX SLAB		19840709	SY	69	25	25	0	\$1,074	\$1,449	1984	
	69010	FLAG POLE		19831101	SY	0	0	0	0	\$469	\$645	1983 1985	
767	69010	BILLBOARD SIGN		19830101		0	0	0	0	\$4,000	\$5,540	1983	
787	17110	NBC DEFENSE TRAINING BLDG	N6247483C5722	19840906	SF	4,000	71	65	17	\$185,039	\$249,618	1984	
786	21154	AVIATION ARMAMENT BLDG	N6247483C5721	19841004	SF	3,000	75	40	22	\$86,981	\$117,337	1984	
792	74079	STABLES BARN		19840920	SF	2,880	120	24	15	\$60,000	\$80,700	1984	
				19841109		0	0	0	0	\$1,260	\$1,695	1984 1984	
				79C5140	19840817	SF	22,516	144	124	50	\$3,288,901	\$4,436,082	1984 1990
				79C5140	19840817	SF	1,518	69	22	14	\$224,816	\$303,277	1984
				80C9175	19840830	SF	228	19	12	10	\$31,000	\$41,819	1984
				80C9175	19840830	SF	228	19	12	10	\$31,000	\$41,819	1984
				80C9175	19850830	SF	228	19	12	10	\$31,000	\$41,819	1984
				80C9175	19840830	SF	684	36	19	12	\$100,000	\$134,900	1984
				80C9175	19850830	SF	228	19	12	10	\$31,000	\$41,819	1984
				80C9175	19850830	SF	684	36	19	12	\$100,000	\$134,900	1984
				80C9175	19850830	SF	228	19	12	10	\$54,554	\$73,593	1984
				80C9175	19840830	SF	228	19	12	10	\$54,554	\$73,593	1984
				80C9175	19840830	SF	228	19	12	10	\$54,554	\$73,593	1984
	21455	VEHICLE WASHRACKS	N6247480C9175	19850830		10,091	0	0	0	\$578,971	\$781,032	1984	
674	87111	OIL WATER SEPARATOR	N6247471C4175	19720801		0	0	0	0	\$74,000	\$173,272	1972 1992	
675	87111	OIL WATER SEPARATOR	N6247471C4178	19720801		0	0	0	0	\$44,000	\$138,952	1972	
797	12120	AVGAS FUELING STATION	N6247483C5771	19850321		0	40	40	30	\$61,588	\$81,358	1985	
789	83229	SEWAGE MONITORING STATION	N6247480C9175	19840830	SF	36	6	6	9	\$114,364	\$154,105	1984 1986	
794	14320	EOD TEAM BLDG	N6247484C1747	19850514	SF	3,600	90	40	14	\$194,494	\$254,596	1985 1993	
795	14320	EOD RANGE BLDG	N6247484C1747	19850514	SF	340	20	17	18	\$44,529	\$58,195	1985 1990	
798	73070	AIRCRAFT DECONTAMINATION TRN	N6247483C1749	19850513	SF	944,460	945	987	10	\$187,963	\$246,607	1985	
817	21455	VEHICLE WASH BLDG	N6247483C5729	19850314	SF	288	24	12	12	\$40,320	\$52,436	1985 1986	
816	11665	COMPUTER VAN PAD MAG-13	N6247484C1814	19850814	SY	174	98	16	0	\$53,882	\$71,569	1985	
780	42135	READY SERVICE MAGAZINE	N6247482C2812	19850325	SF	128	8	16	9	\$32,017	\$42,227	1985 1990	
781	42135	READY SERVICE MAGAZINE	N6247482C2812	19850325	SF	512	16	32	9	\$82,681	\$109,222	1985	
818	83230	SEWAGE LIFT STATION	N6247483C5680	19850919		0	10	10	3	\$37,600	\$49,670	1985	
791	74060	COMMISSIONED OFFICERS' CLUB	N6247483C5680	19850916	SF	22,500	214	135	18	\$2,410,479	\$3,182,036	1985 1990	
819	17940	SMALL ARMS RANGE OUTDOOR	N6247480C9567	19860205		0	42	38	10	\$331,616	\$423,315	1986	
790	74080	GOLF CART BLDG	N6247482C0749	19850123	SF	3,471	89	39	12	\$154,831	\$205,394	1985 1986	
	83130	SEPTIC TANK (SM ARMS RANGE)	N6247480C9567	19860205		0	0	0	0	\$12,003	\$15,593	1986	
	85230	PEDESTRIAN BRIDGE (WHERRY)	N6247483C5757	19860311	SY	22	50	4	0	\$30,132	\$39,202	1986	
	85230	PEDESTRIAN BRIDGES (WHERRY)	N6247483C5757	19860311	SY	44	100	4	0	\$46,131	\$60,939	1985	
	11665	COMPUTER VAN PAD MAG-11	N6247484C1814	19851028	SY	278	100	25	0	\$73,427	\$96,606	1985	
805	21860	FORKLIFT BLDG	N6247483C2177	19860715	SF	1,922	62	31	14	\$143,769	\$187,043	1986	
811	42172	BOX MAGAZINE	N6247483C2177	19860715	SF	3,630	55	66	16	\$494,059	\$642,771	1986	
812	42172	BOX MAGAZINE	N6247483C2177	19860715	SF	1,250	50	25	12	\$494,058	\$642,769	1986	
813	42122	ARCH MAGAZINE	N6247483C2177	19860715	SF	1,250	50	25	12	\$217,381	\$282,665	1986 1990	
814	42122	ARCH MAGAZINE	N6247483C2177	19860715	SF	1,250	50	25	12	\$216,161	\$281,225	1986	
815	42122	ARCH MAGAZINE	N6247483C2177	19860715	SF	1,250	50	25	12	\$216,162	\$281,227	1986	
800	21451	VEHICLE MAINTENANCE	N6247480C9828	19860321	SF	30,661	322	97	25	\$2,710,241	\$3,513,556	1986 1988	
801	21451	DISPATCH OFFICE	N6247480C9828	19860321	SF	320	20	16	12	\$63,250	\$82,288	1986	

Annotations made by the writer of the Summary Report are identified with a star symbol or an arrow.

★ Plant Account Records for Building 825 (TAA 800) and the nearby Building 800.



1994 BUILDING GUIDE

Page No. 14
06/14/94

MCAS EL TORO BUILDING GUIDE

FAC NO.	MAP GRID	DESCRIPTION	TENANT	CAT CODE NUMB	COST ACCT CODE	SIZE
794	Q4	EOD Team Bldg	EOD	14320	EBFO	3600 SF
795	E14	EOD Range Bldg	EOD	14320	EBFO	340 SF
796	M10	Substation/Chiller Bldg	Installation	82610	EBFO	1518 SF
797	R5	AVGAS Fueling Station	Supply	12120	ECDO	800 GM
798	P12	Aircraft Decontamination Trng	Wing NBC	17950	EBAO	2 AC
799	P1	Package Store	MWR-Retail	74071	EBLO	10000 SF
→ 800	U10	Vehicle Maint Facility	MWSS-373	21451	ERBO	30661 SF
801	U10	Dispatcher	MWSS-373	21451	ERBO	240 SF
802	U10	Washrack	MWSS-373	21455	ERBO	4000 SF
803	U10	Fuel Island (1)	MWSS-373	12310	ECBO	3 OL
804	U10	Fuel Island (2)	MWSS-373	12310	ECBO	3 OL
805	H15	Forklift Bldg	Sta Ordn	21860	ERBO	1922 SF
806	H15	Ammunition Assembly Shed	Sta Ordn	42510	EBQO	74888 SF
807	H15	Open Ammunition Storage	Sta Ordn	42510	EBQO	1800 SF
808	H15	Open Ammunition Storage	Sta Ordn	42510	EBQO	1800 SF
809	H15	Open Ammunition Storage	Sta Ordn	42510	EBQO	1800
810	H15	Open Ammunition Storage	Sta Ordn	42510	EBQO	1800
811	H15	Box Magazine	Sta Ordn	42172	EBQO	3630 SF
812	H15	Box Magazine	Sta Ordn	42172	EBQO	3630 SF
813	H15	ARCH Magazine	Sta Ordn	42122	EBQO	1250 SF
814	H15	ARCH Magazine	Sta Ordn	42122	EBQO	1250 SF
815	H15	ARCH Magazine	Sta Ordn	42122	EBQO	1250 SF
816	Q12	Computer Van Pad	MAG-11	11665	EDCO	174 SF
817	Q13	Vehicle Wash Bldg	MWR-Rec	21455	ERBO	288 SF
818	T-3	Sewage Lift Station	Installation	83230	EHFO	100 GM
819	K15	Small Arms Range Bldg	Sta Trng	17940	ECFO	1 EA
823	O3	Temporary Lodging Facility	MWR	74020	EBLO	23800 SF
824	S7	Crash Crew & Sta Recovery	SOMS	14120	EBNO	2112 SF
→ 825	U10	Hazardous MH Locker	MWSS-373	44130	EBDO	250 SF
826	P12	Inert Weapon/Training Bldg	AWTU	17120	EBAO	4050 SF
827	U7	Supply Loading Ramp	Supply	85115	EDAO	1 EA
828	K7	Stables Equip Building	MWR-Rec	74079	EBLO	1800 SF
829	P4	Wing Headquarters	3d MAW	61070	EBFO	45287 SF
829	P4	Admin Office	NAESU	61010	EBFO	620 SF
830	L2	Playing Field	MWR-Rec	75020	ECNO	1 EA
831	R12	Cryogenics	MALS-11	14187	EBNO	5074 SF
832	P12	NBC Gas Chamber	MWHS-3	17120	EBAO	2680 SF
833	N3	Chapel	Chaplain	73083	EBLO	7228 SF
834	L10	Fam Hsg Community Center	Installation	71432	ERBO	5000 SF
835	P14	Gate #3 Sentry House	PMO	73025	EBLO	96 SF
836	T3	Aircraft Display Gate #9	Installation	76020	ECNO	1 EA
837	P2	Aircraft Display Gate #1	Installation	76020	ECNO	1
838	M9	Aircraft Display Gate #2	Installation	76020	ECNO	1
839	Q4	Combat Training Pool	Training	17120	EBAO	20820 SF
840	N14	Explosive Safety Office	MALS-11	61010	EBFO	928 SF
841	O13	Open Ammunition Storage Pad	Sta Ord	42510	75RO	210 SY
842	O2	Bachelor Enlisted Quarters	Station	72112	EBGO	180 PN
842	O2	Bachelor Enlisted Quarters	Station	72113	EBGO	110 PN

Historical Aerial Photograph
Marine Corps Air Station, El Toro
Date of Photograph: 28 February 1963

Former TAA 800 Vicinity

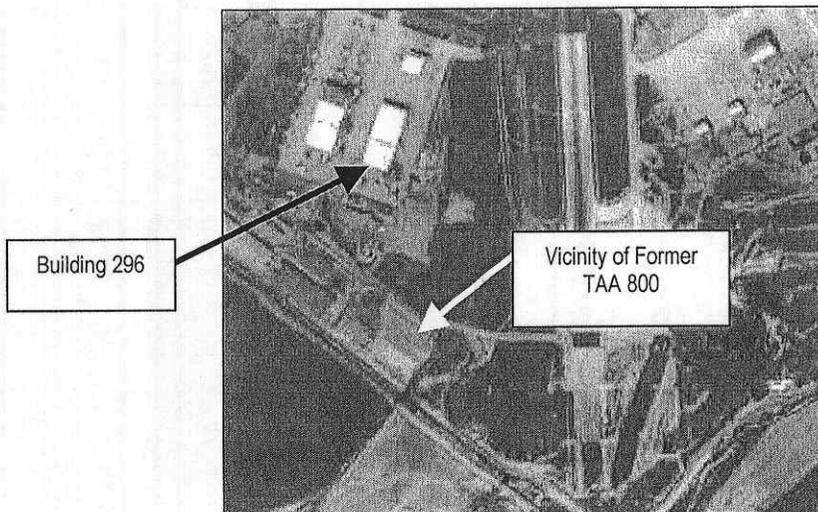


Exhibit 1. USEPA Aerial Photograph Anomalies near Former TAA 800, MCAS El Toro

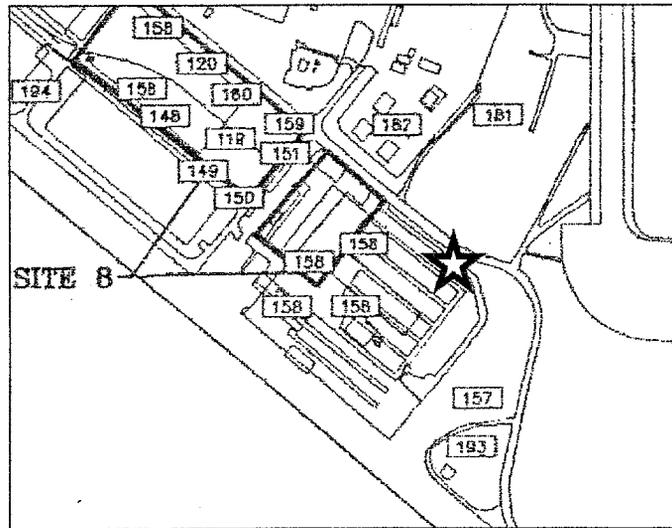
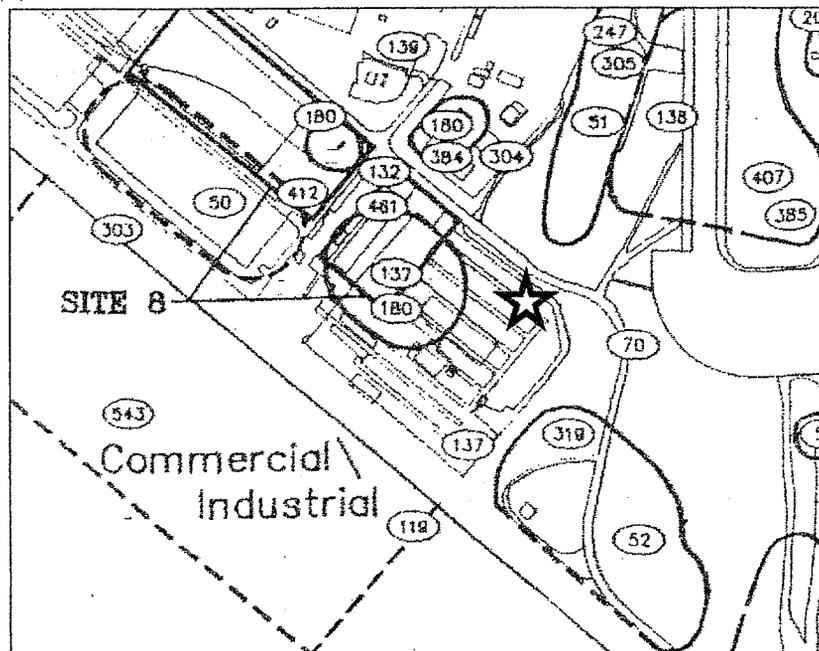
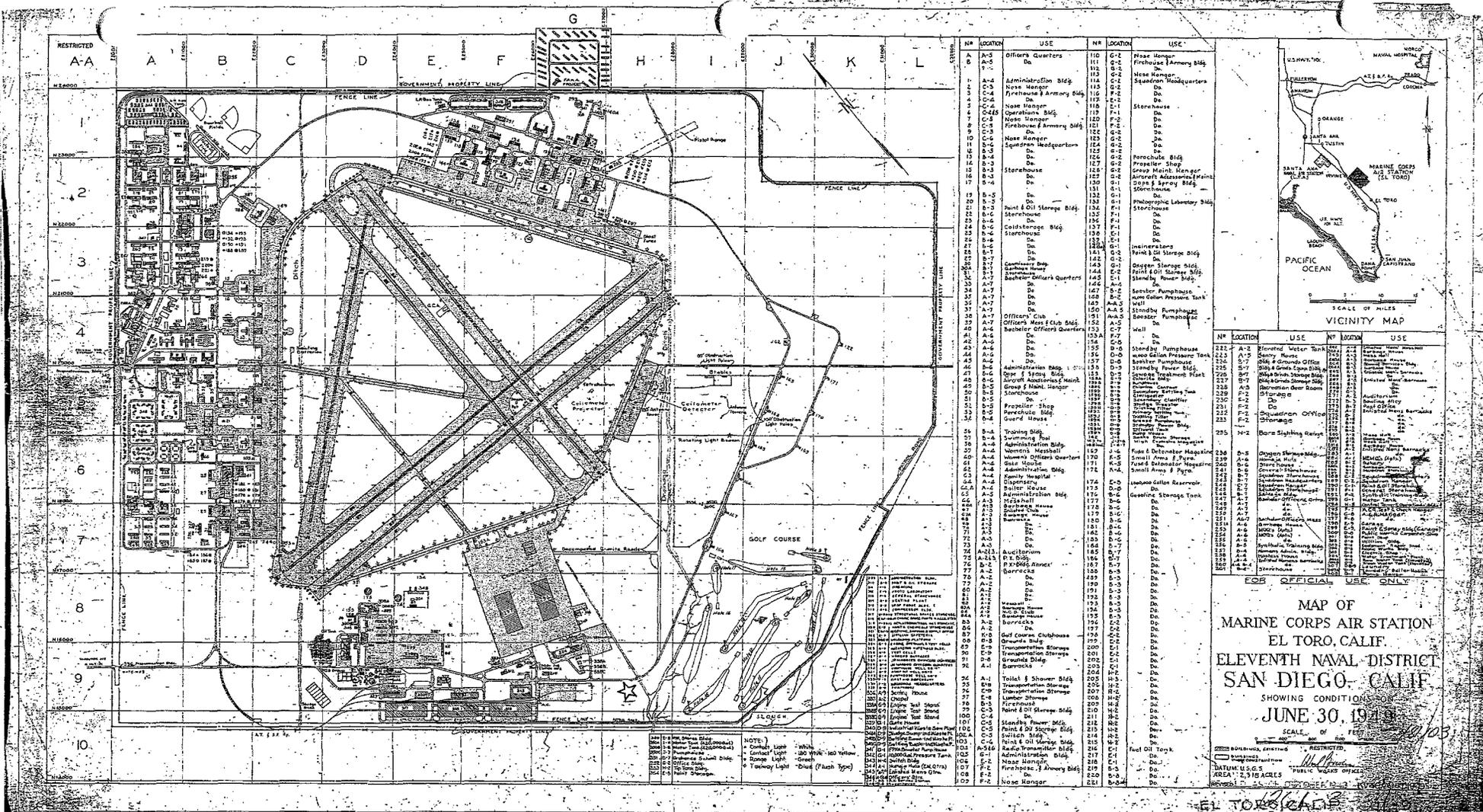


Exhibit 2. SAIC Aerial Photograph Anomalies near Former TAA 800, MCAS El Toro



NOTES: 1) Approximate location of Former TAA 800 (Bldg 825) is identified with a star symbol. 2) Anomaly locations were extracted from "Final Report, Aerial Photograph Assessment, MCAS El Toro" (SAIC 1993).



Annotations made by the writer of the Summary Report are identified with a star symbol or an arrow.

★ The approximate location of TAA 800 is identified with a star symbol.

SOUTHWESTNAVFACENGCOM
CODE 06CC.LMH
SAN DIEGO, CA 92101

Extracts from historical hazardous waste management documents

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SANTA ANA REGION

INDIANA AVENUE, SUITE 200
SANTA ANA, CALIFORNIA 92506
PHONE: (714) 782-4130

ML0050.001130

Annotations made by the writer of the
Summary Report are identified with a
star symbol or an arrow.

The RWQCB letter of 23 June 1989
does not identify Building 800, Building
825, or TAA 800.

June 23, 1989

LJTG Michael Rehor, Environmental Director
MCAS EL Toro (Code 1JG)
Santa Ana, CA 92709-5001

MCAS EL TORO - SITE INSPECTION PLAN OF ACTION

Dear LJTG Rehor:

As we discussed in our May 30, 1989 meeting, we are hereby transmitting our recommendations for additional sites at the El Toro Marine Corps Air Station (MCAS) which we believe should be included in the Site Inspection Plan of Action.

Although the Installation Restoration (IRP) program is intended to address only past facility operations, we believe that some currently operating facilities should be included in the IRP program. Past and current chemical use and disposal practices at these sites may have allowed contaminants to be discharged where they could impact water quality. We believe that it is appropriate to include these sites in the present phase of investigation. The sites listed are areas where trichloroethylene (TCE) is either known or suspected to have been used. Chemical use and disposal practices, documented in the November 1987 Oil and Hazardous Substance Spill Prevention Control and Countermeasure (SPCC) plan, strongly suggest that there are areas on the base where TCE was routinely discharged to bare ground and unlined channels.

Although some of these areas are located near sites that have already been selected for investigation, we believe that the sites require individual investigation to adequately evaluate the threat to water quality from past chemical use practices. In some cases adequate coverage may be provided by expanding the specific site investigations. However, in most cases separate site investigations will be necessary. Investigation of these sites should focus on potential discharge areas and any adjacent drainage channels. The following sites should be given highest priority:

1. Building 359 - corrosion control facility, which housed 2 TCE degreasers.
2. Three engine test cells - the SPCC plan documents oily discharges from two of these test cells, located in buildings 658 and 447, that eventually entered storm drains. The location of the third test cell is not indicated.

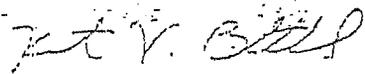
June 23, 1989

3. Six drum storage areas - The SPCC plan depicts numerous drum storage areas on bare ground. The plan documents solvent storage in the following areas:
 - A. Northeast of building 392
 - B. Southeast of building 602
 - C. Between buildings 454 and 456
 - D. Northeast of building 320
 - E. Northeast of building 317
 - F. East of building 359
4. Hazardous and flammable materials storehouses 320 and 357.
5. Oil/water separators at Bee Canyon Wash and Agua Chino Wash.

In addition, the SPCC plan identifies 23 wash areas including seven aircraft wash facilities. Each of these wash areas should be evaluated to determine whether solvents were used. If solvents were used at any wash area, that area should be included in the investigation.

Please submit a proposed sampling program for the sites discussed above in the form of an amendment to the Site Inspection Plan of Action. If you should have any questions, please call me or Steven Overman of our Pollutant Investigation Section.

Sincerely,


Kurt V. Berchtold
Supervising Engineer

cc: OCWD - Jim Reilly

TDP/mcaset2

M60050.000776 (1-2)
4/17/89 TDP FTD

MCAS EL TORO

ADDITIONAL SITES NEEDING INVESTIGATION

Tom D Peltier

M60050.000776
MCAS El Toro

DUPLICATE

Test Cells 658 and 447

Bldg. 626	Wash Rack
Bldg. 392	Wash Rack and Drum Storage Area
Bldg. 127	Wash Rack
Bldg. 673	Wash Rack and Drum Storage
Bldg. 390	Wash Rack
Bldg. 386	Steam Cleaning Area
Bldg. 298	Maintenance Shop
Bldg. 388	Wash Rack
Hanger 605	Aircraft Wash Area
Hanger 606	Aircraft Wash Area
Hanger 114	Aircraft Wash Area
Hanger 463	Aircraft Wash Area
Hanger 461	Aircraft Wash Area
Hanger 297	Aircraft Wash Area and Drum Storage
Bldg. 320	Trichloroethylene Drum Storage
Bldg. 357	Drum Storage
Bldg. 454/456	Drum Storage
Bldg. 317	Drum Storage
Bldg. 534	Drum Storage
Bldg. 655	Drum Storage
Bldg. 359	Drum Storage
Bldg. 130	Drum Storage
Bldg. 602	Drum Storage
Salvage Yard	Drum Storage

Annotations made by the writer of the Summary Report are identified with a star symbol or an arrow.

★
The 1989 list does not identify Building 800, Building 825, or TAA 800.

TITLE: ADDITIONAL SITES NEEDING INVESTIGATION, POTENTIAL AREAS OF CONTAMINATION

AUTHOR: TOM D. PELTIER?

DATE: 4/17/89

CATEGORY: 1.2

OTHER POTENTIAL AREAS OF CONTAMINATION

Mag. 13	Paint Sheds
Auto Hobby Shop	Leaking waste Oil Tank
Bldg. 103	Paint Shed
Heavy Equipment	Vehicle Wash Area
Empty or Destroyed Buildings	143, 343, and 1789
Combat Ready Vehicle Storage and Wash Area	
Bldgs. 359 & 651	Wash Areas
Bldg. 262	Wash Rack
Exchange Car Wash	

**STORM WATER POLLUTION PREVENTION PLAN
(SWPPP)**

EXTRACTS

FOR

**MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA**

**CONTRACT NO. N68711-96-D-2059
DELIVERY ORDER NO. 0002**

VOLUME 1

JULY, 1997

INTEGRATED ENVIRONMENTAL MANAGEMENT, INC.

5.2 DRAINAGE BASIN 2

This drainage section comprises some of the buildings in Area 28. It has a total area of about 188 acres.

5.2.1 Buildings of Limited Concern

The following buildings do not use, handle, transport, or store significant quantities of industrial materials nor do they generate significant amounts of liquid or solid pollutants and they do not appear to be of concern to the quality of storm water discharges:

TABLE 5-3 BASIN 2 LIMITED CONCERN BUILDING LIST		
BLDG #	DESCRIPTION	TENANT
310	MWSS-473	MWSS-473
319	General Warehouse MC (DRMO)	DRMO
326	Hazardous Waste Storehouse	Environment
360	Storage MC Air/Ground Organic Unit	Supply
445	Hazardous/Flammable Storehouse	Vacant
446	Storage Tank/Nonpotable	Installation
599	Liquid Oxygen Facility	Supply
631	Utility/NBC Storage	MWSS-374
633	Loading/Unloading Ramp	DRMO
635	Weighing Facility	Supply
778*	Hazardous Waste Collection Facility	Environment
801	Dispatcher	MWSS-373
825*	Hazardous Waste Locker	MWSS-373

* Buildings with an asterisk indicate facilities which were not involved in any industrial activities or did not store any hazardous materials at the time of our field observations. However, these facilities appear to have

Building 675 - Aqua Chinon Oil/Water Separator - Installation

The purpose of the oil/water separator and diversion structure is to divert non-storm flows to the sanitary sewer and remove all floating pollutants. Potential pollutants included jet fuel, gasoline, solvents, waste oils, and vehicle wash waste. There should be no flow past this point during non-storm periods.

Recommended BMPs include regular inspection and maintenance of the oil/water separator and low-flow diversion pumps and removal of sediments.

Building 800 - Vehicle Maintenance Facility - MWSS-373

Industrial activity at the facility includes light vehicle maintenance. Potential pollutants include oil, hydraulic fluid, and grease. There is also a fueling area at this location. The entire length of the garage was served by a drain which discharges to an oil/water separator which was functioning properly. The oil/water separator discharges to the sanitary sewer.

Recommended BMPs include routine inspection and maintenance of the oil/water separator according to the manufacturer's specifications and to provide a copy of the existing SPCCP to the facility.

Building 802 - Wash Rack - MWSS-373

Industrial activities included vehicle washing. Potential pollutants included soap and petroleum products. An oil/water separator (#802) is present and being used which discharges to the sanitary sewer.

Recommended BMPs are to perform routine maintenance of the oil/water separator according to the manufacturer's specifications to prevent excessive sediment buildup, and to clean mud and sediments outside the wash rack area.

Building 803 - Fuel Island #1 - MWSS-373

Industrial activity at this facility includes vehicle and equipment fueling. Potential pollutants include diesel and unleaded gasoline fuel.

Recommended BMPs include installing a spill kit, SPCCP, and providing personnel with spill response

TABLE 5-4
BASIN 2
SUMMARY OF BMPs

BLDG #	BASIN	BUILDING DESCRIPTION	TENANT	Concern Level	BMP STATUS	BMP #	BMP Description
635	02	Weighing Facility	Supply	Limited			No Additional BMPs Recommended
671	02	Refueler Admin	MWSS-373	Concern	Rec Existing Rec Rec Rec Rec Rec Existing	009 112 110 018 044 023 066 065	Educate Personnel Prepare Appropriate Spill Prevention and Response Plans Regularly Inspect and Maintain Storm Water Conveyance System Provide Roof to Cover Source Area Use Drip Pans under Leaking Equipment Place Rubber Mats over Storm Drain Inlets Eliminate Topping Off Tanks Place Spill Kit in Area
671T1	02	Refueler Truck Parking	MWSS-373	Concern	Rec	032	Dispose of Surplus Materials/Wastes/Equipment or Store Under Cover
672	02	Refueling Vehicle Maint Shop	MWSS-373	Concern	Rec Rec Rec	112 110 065	Prepare Appropriate Spill Prevention and Response Plans Regularly Inspect and Maintain Storm Water Conveyance Systems Install Spill Kit in Area
675	02	Oil/Water Separator	Installation	Concern	Rec	110	Regularly Inspect and Maintain Storm Water Conveyance Systems
778	02	Hazardous Waste Collection Facility	Environment	Previous			No Additional BMPs Recommended
800	02	Vehicle Maint Facility	MWSS-373	Concern	Rec Rec	112 110	Prepare Appropriate Spill Prevention and Response Plans Regularly Inspect and Maintain Storm Water Conveyance System
801	02	Dispatcher	MWSS-373	Limited			No Additional BMPs Recommended

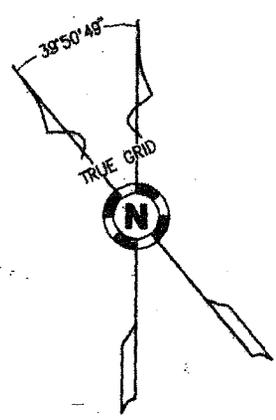
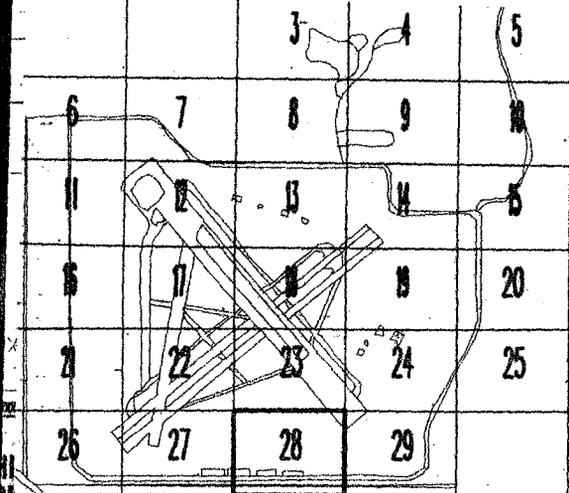
TABLE 5-4
BASIN 2
SUMMARY OF BMPs

BLDG #	BASIN	BUILDING DESCRIPTION	TENANT	Concern Level	BMP STATUS	BMP #	BMP Description
802	02	Washrack	MWSS-373	Concern	Rec Rec	110 005	Regularly Inspect and Maintain Storm Water Conveyance System Provide Regular Sweeping of Lot
803	02	Fuel Islands	MWSS-373	Concern	Rec Rec Rec Rec	009 112 066 065	Personnel Training Prepare Appropriate Spill Prevention and Response Plans Eliminate Topping Off Tanks Place Spill Kit in Area
804	02	Fuel Islands	MWSS-373	Concern	Rec Rec Rec Rec	009 112 066 065	Personnel Training Prepare Appropriate Spill Prevention and Response Plans Eliminate Topping Off Tanks Place Spill Kit in Area
→ 825	02	Hazardous Waste Locker	MWSS-373	Previous			No Additional BMPs Recommended

TABLE 7-1 MCAS EL TORO MATERIALS INVENTORY								
BLDG #	BASIN	BUILDING DESCRIPTION	TENANT	Concern Level	TRADE/COMMON NAME	MAX. DAY	AVE. Day	CONT.
766	22	Vehicle Washrack Utility Building	Aero Club	Concern	N/A			
769	01	HW Collection Facility	Environment	Concern	N/A			
770	01	HW Collection Facility	Environment	Concern	Aerosol	N/A	N/A	N/A
770	01	HW Collection Facility	Environment	Concern	Aerosol Spray Paint	N/A	N/A	N/A
770	01	HW Collection Facility	Environment	Concern	Cleaner	N/A	N/A	N/A
770	01	HW Collection Facility	Environment	Concern	Diesel Fuel	N/A	N/A	N/A
770	01	HW Collection Facility	Environment	Concern	Hydraulic Fluid	N/A	N/A	N/A
779	08	HW Collection Facility	Environment	Concern	Jet Fuel JP-5	N/A	N/A	N/A
779	08	HW Collection Facility	Environment	Concern	Lubricating Oil	N/A	N/A	N/A
779	08	HW Collection Facility	Environment	Concern	Waste Oil	N/A	N/A	N/A
797 Tank		Tank	MWR Aero Club	Concern	Aviation Gasoline 100LL	8000 gal	5000 gal	10000 gal
800	02	Vehicle Maint Facility	MWSS-373 HM Storage	Concern	Antifreeze	220 gal	55 gal	55 gal
800	02	Vehicle Maint Facility	MWSS-373 HM Storage	Concern	Antifreeze	330 gal	55 gal	55 gal
800 A	02	UST-Motor Pool	MWSS-373	Concern	Diesel Fuel No. 2	10000 gal	5000 gal	10000 gal
800	02	Vehicle Maint Facility	MWSS-373	Concern	Lubricating oil, 30W	220 gal	95 gal	55 gal

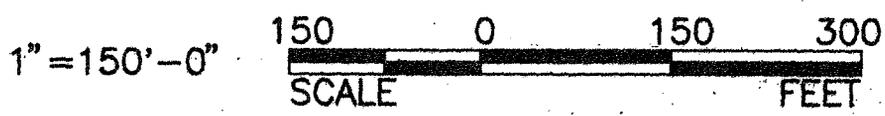
TABLE 7-1
MCAS EL TORO MATERIALS INVENTORY

BLDG #	BASIN	BUILDING DESCRIPTION	TENANT	Concern Level	TRADE/COMMON NAME	MAX. DAY	AVE. Day	CONT.
800	02	Vehicle Maint Facility	MWSS-373 HM Storage	Concern	Lubricating oil, 80/90W	110 gal	25 gal	55 gal
800	02	Vehicle Maint Facility	MWSS-373 HM Storage	Concern	Lubricating oil, DEXRON ATF	200 gal	50 gal	5 gal
800	02	Vehicle Maint Facility	MWSS-373 HM Storage	Concern	Sulfuric Acid	500 gal	50 gal	1 gal
802	02	Washrack	MWSS-373	Concern	N/A			
803	02	Fuel Islands	MWSS-373	Concern	Diesel Fuel No. 2	N/A	N/A	N/A
804	02	Fuel Islands	MWSS-373	Concern	Diesel Fuel No. 2	N/A	N/A	N/A
817	37	Vehicle Wash Bldg	MWR-Rec	Concern	N/A			
831	37	Cryogenics	MALS-11	Concern	N/A			
845	37	Washrack Utility Bldg	VMFAT-101	Concern	N/A			
850	07	Crash Crew Burn Pit	Sta/G-3	Concern	Jet Fuel JP-5	N/A	N/A	N/A
850 A	07	UST-MWR burn pit	Sta/G-3	Concern	Jet Fuel JP-5	5000 gal	2500 gal	5000 gal
850 B	07	UST-MWR burn pit	Sta/G-3	Concern	Jet Fuel JP-5	5000 gal	2500 gal	5000 gal
851	07	Crash Crew Burn Pit	Sta/G-3	Concern	Jet Fuel JP-5	N/A	N/A	N/A
855	37	Electrical Comm Maint Shop	MALS-11	Concern	1,1,1 Trichloromethane	N/A	N/A	N/A
855	37	Electrical Comm Maint	MALS-11	Concern	Acetone	N/A	N/A	N/A



KEY PLAN

SCALE: NONE



LESS THAN 22X34 IT IS A REDUCED PRINT SCALE ACCORDINGLY

IEM
ENVIRONMENTAL MANAGEMENT, INC.
 2 • TUSTIN, CALIFORNIA 92680 (714) 731-5977 • (714) 731-5976

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
 EL TORO CALIFORNIA

CHK. MARINE CORPS AIR STATION EL TORO, CA.

TE **"MCAS" EL TORO**

FP **AREA 28 - STORM DRAINS**

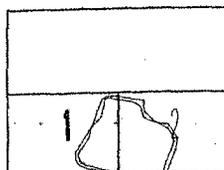
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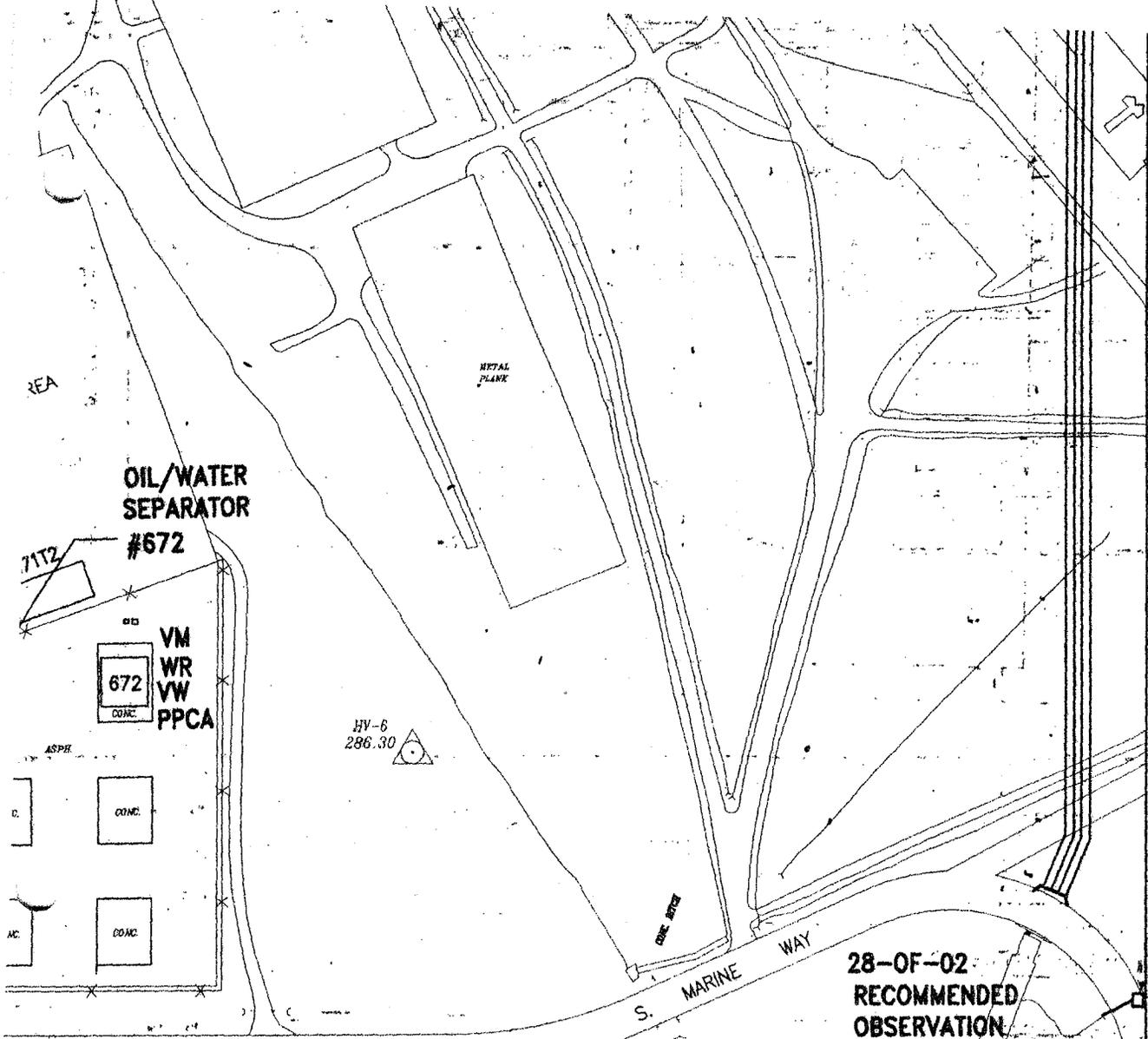
REVISIONS

SYMBOL	DESCRIPTION	PREP'D BY	DATE	APPROVED

LEGENDS

- AST - ABOVE GROUND STORAGE TANK
- AM - AIRCRAFT MAINTENANCE
- AW - AIRCRAFT WASHING
- AF - AIRCRAFT FUELING
- AP - AIRCRAFT PAINTING
- CB - CATCH BASIN
- ES - EQUIPMENT STORAGE
- EM - EQUIPMENT MAINTENANCE
- HMS - HAZARDOUS MATERIAL STORAGE
- HWS - HAZARDOUS WASTE STORAGE
- HWTA - HAZARDOUS WASTE TRANSFER AREA
- MH - MANHOLE
- OWS - OIL/WATER SEPARATOR
- PCA - POLLUTANT CONTACT AREA
- PPCA - POTENTIAL POLLUTANT CONTACT AREA
- UGT - UNDERGROUND STORAGE TANK
- VP - VEHICLE PAINTING
- VF - VEHICLE FUELING
- VM - VEHICLE MAINTENANCE
- VW - VEHICLE WASHING
- WR - WASH RACK
- WTA - WASTE TRANSFER AREA

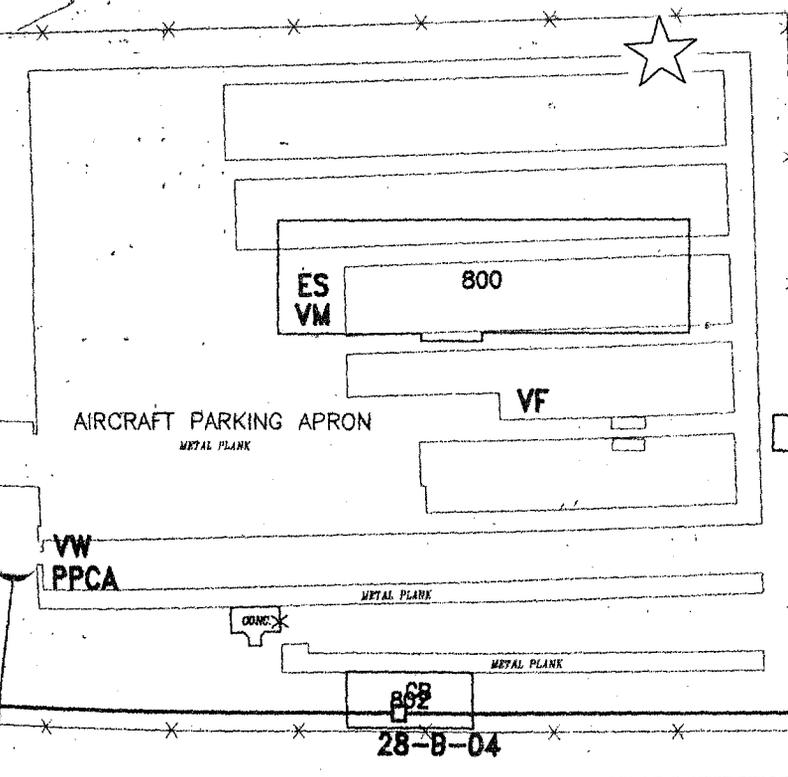




28-OF-02
RECOMMENDED
OBSERVATION
LOCATION
28-M-12

Annotations made by the writer of the Summary Report are identified with a star symbol or an arrow.

☆ The approximate location of TAA 800 is identified with a star symbol.



OIL/WATER SEPARATOR #657

HV-7
274.41

28-B-05-01

TABLE 5-39 MCAS EL TORO SPILL HISTORY		
Date	Incident No.	Description
November 28, 1995	N/A	Approximately 2 quarts of hydraulic fluid were lost on the roadway and shoulder when a forklift's hydraulic line was inadvertently punctured. A drip pan was placed under the leaking line to contain the leak and contaminated soil was removed and drummed as hazardous waste.
September 18, 1995	N/A	A one gallon container of liquid scale dissolver spilled when it was dropped by warehouse personnel. The spill was diked and absorbed with ash. Spill contained to the warehouse floor.
September 12, 1995	N/A	Three quarts of hydraulic fluid spilled onto the concrete warehouse floor when a forklift's fork punctured the stored material during issuance. Spilled cleaned up with speedy dry absorbent. Spill contained to the warehouse floor.
July 21, 1995	N/A	Approximately 80 gallons of JP-5 fuel spilled when a fuel truck attempted to fuel an aircraft with an open fuel cell. Spill cleaned up with speedy dry absorbent. Spill contained to the flightline.
July 20, 1995	N/A	Approximately 10 gallons of JP-5 fuel spilled when an aircraft vented it's tanks. Spill cleaned up with speedy dry absorbent. Spill contained to the flightline.
June 29, 1995	N/A	Approximately 70 gallons of JP-5 fuel spilled from an aircraft fuel tank with a dysfunctional valve. Spill cleaned up with speedy dry absorbent. Spill contained to the flightline.
November 1, 1994	N/A	Approximately 400 gallons of JP-5 fuel leaked from an F/A-18 aircraft. Three hundred gallons were recovered and 100 gallons were cleaned up with speedy dry absorbent. Spill contained to the flightline.
November 1, 1994	N/A	Approximately 250 gallons of JP-5 fuel leaked from an F/A-18 aircraft. Spill cleaned up with speedy dry absorbent. Spill contained to the flightline.

<p align="center">TABLE 5-39 MCAS EL TORO SPILL HISTORY</p>		
Date	Incident No.	Description
September 1, 1994	N/A	Approximately 1 gallon of hydrochloric acid and another gallon of chlorine spilled when their lines ruptured. Pumping through the line was stopped immediately and the spill was cleaned up with sodium bicarbonate. Spill contained to the flightline.
August 12, 1994	N/A	A small amount of paint stripper (methyene chloride) from a 5 gallon can spilled when the can overheated and blew its cap. The small amount evaporated before cleanup could occur.
July 14, 1994	249777	Approximately 25 gallons of transformer oil, possibly containing more than 55 ppm PCBs, spilled when the personnel handling the transformer overturned it. The initial responders laid down absorbent socks, mats pads and Lite-Dri absorbent around the spill and on the liquid. Workers then removed and drummed soil from the spill area as hazardous waste. Cleanup began immediately on 14 July 94 and was completed 15 July 94. Additional hazardous waste included the absorbent materials, personal protective gear rags and mops used to cleanup the spill.
April 26, 1994	N/A	Approximately 100 gallons of JP-5 fuel spilled when an aircraft vented its tanks. Spill cleaned up with speedy dry absorbent. Spill contained to the flightline.
March 8, 1994	N/A	Approximately 20 gallons of JP-5 fuel spilled when an aircraft was refueling. Spill cleaned up with speedy dry absorbent. Spill contained to the flightline.
May 11, 1993	318	Caustic soap leaked from a container behind Bldg. 317.
March 1, 1993	146	Approximately one quart of methyl ethyl ketone spilled to the ground at Bldg. 306.
September 9, 1992	873	Unknown quantity of fumigant released into the soil at Strawberry Field.
August 16, 1992	788	Fire occurred at Bldg. 751 with a van containing Hg, Li, Cd, and Pb-acid batteries. This caused a chemical release into the atmosphere.

TABLE 5-39 MCAS EL TORO SPILL HISTORY		
Date	Incident No.	Description
June 1, 1992	560	Approximately 3,950 gallons of JP-5 spilled from a refueler. Fuel was contained and did not enter storm drains.
May 28, 1992	552	JP-5 smell coming from storm drain at Bldg. 368. Flow from drain diverted to oil/water separators.
March 5, 1992	228	Three quarts of Hg spilled at Bldg. 297. The spill was contained.
March 5, 1992	223	Tractor trailer spilled 15-20 gallons of diesel fuel into sanitary sewer. Sewer system was diked and covered.
February 5, 1992	121	One gallon of transformer oil containing PCBs spilled at Bldg. 439. The spill was contained.
January 17, 1992	053	Approximately 100 gallons of antifreeze spilled into ditch and then to Agua Chinon.
December 18, 1991	1092	Lithium battery exploded at Bldg. 17. The debris was contained with some off-gassing.
November 19, 1991	997	Approximately 10 Lithium Batteries leaking and off-gassing at Bldg. 673T3.
September 16, 1991	754	Contaminated oil spilled into sewer at Bldg 295.
July 12, 1991	580	Paint stripper spilled into ditch near Bldg. 800. The spill was diverted to oil/water separator.
May 23, 1991	453	Unknown white substance found at Officer's Club crystal room.

A reference to a major spill is contained in the May 1990 SPCCP written for the MCAS. The SPCC states that "one major unauthorized release has occurred in the last two years. In August 1988, a 108,000 gallon JP-5 storage tank pipe was reported to have leaked causing soil and ground water contamination. The leak was reportedly repaired in early 1990."

No Further Action Decision Documents for Nearby Locations of Concern



California Regional Water Quality Control Board

Santa Ana Region



Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb8>
3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (909) 782-4130 - FAX (909) 781-6288

Gray Davis
Governor

September 28, 2000

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

COMMENTS ON SITE ASSESSMENT REPORT, OIL/WATER SEPARATOR SITE 800F, MARINE CORPS AIR STATION, EL TORO

Dear Mr. Gould:

We have completed our review of the above-referenced document, dated November 1, 1999, which we received on November 15, 1999. We do not have significant comments on this report, and concur with the recommendation for no further action.

For any questions on this review or related matters, please call me at (909) 782-4494.

Sincerely,


John Broderick
SLIC/DoD/AGT Section

cc: Ms. Triss Chesney, Department of Toxic Substances Control, OMF
Mr. Gregory F. Hurley, El Toro RAB Co-Chair
Ms. Lynn Hornecker, Naval Facility Engineering Command, SWDIV
Mr. Glenn Kistner, U.S. EPA, Region IX

California Environmental Protection Agency



California Regional Water Quality Control Board

Santa Ana Region



Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb8>
3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (909) 782-4130 - FAX (909) 781-6288

Gray Davis
Governor

September 28, 2000

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

COMMENTS ON SITE ASSESSMENT REPORT, OIL/WATER SEPARATOR SITE 802, MARINE CORPS AIR STATION, EL TORO

Dear Mr. Gould:

We have completed our review of the above-referenced document, dated November 3, 1999, which we received on November 23, 1999. We do not have significant comments on this report, and concur with the recommendation for no further action.

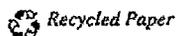
For any questions on this review or related matters, please call me at (909) 782-4494.

Sincerely,

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cc: Ms. Triss Chesney, Department of Toxic Substances Control, OMF
Mr. Gregory F. Hurley, El Toro RAB Co-Chair
Ms. Lynn Hornecker, Naval Facility Engineering Command, SWDIV
Mr. Glenn Kistner, U.S. EPA, Region IX

California Environmental Protection Agency





**COUNTY OF ORANGE
HEALTH CARE AGENCY**

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
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JACK MILLER, REHS
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MAILING ADDRESS
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4726

TELEPHONE: (714) 667-3600
FAX: (714) 972-0743

**PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH**

December 10, 1997

LT. Hope Katcharian
Director, Environmental Engineering Division
Commanding General
AC/S Environmental 1AU
Marine Corps Air Station El Toro
P.O. Box 95001
Santa Ana, CA 92709-5001

Subject: Completion of Tank Abandonment Project

**RE: Marine Corps Air Station El Toro
Tank #675A
Santa Ana, CA 92709**

Dear Lt. Katcharian:

This is in response to your request for a confirmation of the completion of the tank abandonment project. With the provision that the results for the soil samples obtained during the site assessment on August 22, 1997, were accurate and representative of existing conditions, it is the position of this office that no significant soil contamination has occurred at the above noted facility location.

It should be pointed out that this letter does not relieve you of any responsibilities mandated under the California Health and Safety Code if additional or previously unidentified contamination is discovered at the subject site.

If you have any questions regarding this matter, please contact Arghavan Rashidi-Fard at (714) 667-3713.

Sincerely,

William J. Diekmann, M.S., REHS
Supervising Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

cc: Larry Vitale, Santa Ana Regional Water Quality Control Board



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

**PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH**

RONALD R. DILUIGI
INTERIM DIRECTOR

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TELEPHONE: (714) 667-3600
FAX: (714) 586-5116

April 20, 1999

Maj. Jeff Matthews
Director, Environmental Engineering Division
Commanding General
AC/S Environmental IAU
Marine Corps Air Station El Toro
P.O. Box 95001
Santa Ana, CA 92709-5001

Subject: Completion of Tank Removal Project

**RE: Marine Corps Air Station El Toro
Tanks #800 D and 800 E
Santa Ana, CA 92709**

Dear Major Matthews:

This is in response to your request for a confirmation of the completion of the tank removal project. With the provision that the results for the soil samples obtained during the tank removal on November 13, 1998, were accurate and representative of existing conditions, it is the position of this office that no significant soil contamination has occurred at the above noted facility location.

It should be pointed out that this letter does not relieve you of any responsibilities mandated under the California Health and Safety Code if additional or previously unidentified contamination is discovered at the subject site.

If you have any questions regarding this matter, please contact Arghavan Rashidi-Fard at (714) 667-3713.

Sincerely,

Deborah A. Greco, M.S.
Supervising Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

cc: Patricia Hannon, Santa Ana Regional Water Quality Control Board
Lynn Hornecker, SWDIV



COUNTY OF ORANGE
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

MICHAEL SCHUMACHER, Ph.D.
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MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
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TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

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

December 9, 1999

Mr. Dean Gould
Base Realignment and Closure
Environmental Coordinator
Naval Facilities Engineering Command
Southwest Division-Code 5MBE.LMH
1220 Pacific Highway
San Diego, CA 92132-5190

Subject: **Completion of Tank Removal Project**

RE: Marine Corps Air Station El Toro
Tanks #800A, B and C
Santa Ana, CA 92709

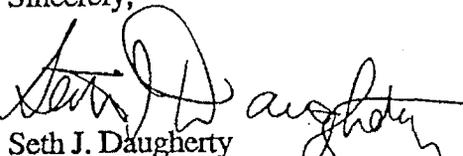
Dear Mr. Gould:

This is a response to your request for a confirmation of the completion of the tank removal project. With the provision that the results for the soil samples obtained during the tank removal activities conducted on July 22 and 26, 1999 were accurate and representative of existing conditions, it is the position of this office that no significant soil contamination has occurred at the above noted facility location.

It should be pointed out that this letter does not relieve you of any responsibilities mandated under the California Health and Safety Code if additional or previously unidentified contamination is discovered at the subject site.

If you any questions regarding this matter, please contact Arghavan Rashidi-Fard at (714) 667-3713.

Sincerely,


Seth J. Daugherty
Supervising Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

cc: Lynn Hornecker, SWDIV

TRANSMITTAL

Date: 20 April 2002

From: Lynn Marie Hornecker
MCAS El Toro

To: Diane Silva
Code 01LS.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): Former Temporary Accumulation Area
(TAA) 800

Author: Lynn Hornecker SWDIV

Recipient: Triss Chesney DTSC

Record Date: 19 Apr 2002

Approximate Number of Pages: 100

EPA Category: 01.1

Sites: TAA 800, IRP Site 24

Key Words:

Contract: N/A

CTO Number: N/A

TAA 800 is located within the
boundary of IRP Site 24