M60050.002924
MCAS EL TORO
SSIC NO. 5090.3

INFORMATION PACKAGE

REMOVAL AND DISPOSAL OF SEDIMENTS AND CLEANING OF A BATTERY ACID NEUTRALIZING CHAMBER AT BUILDING 392 MARINE CORPS AIR STATION (MCAS) EL TORO, CALIFORNIA

Contract No. N68711-02-F-8210

Prepared for:

Department of the Navy,
Southwest Division
Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, California 92132

Prepared by:

GEOFON, INC.
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GEOFON Reference No. 04-4432.10

January 13, 2003

SOUTHWESTNAVFACENGCOM
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TRANSMITTAL

Date: 17 January 2003

From: Lynn Marie Hornecker

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: Information Package
Battery Acid Neutralization Chamber
Former Ground Support Equipment (GSE) Shop at Building 392
Former Marine Corps Air Station, El Toro

Transmitted as the attachment is the information package pertaining to the battery neutralization chamber at Building 392 in the northeastern section of the Former Marine Corps Air Station, El Toro. The site is located within a parcel that has been tentatively designated for future use as an open space/exposition center according to the *Great Park Land Use Plan* (City of Irvine, June 2002).

Building 392, constructed in 1955, was previously used as a Ground Support Equipment (GSE) shop. Industrial activities were discontinued on 2 July 1999 when the Station closed. The chamber was cleaned and residual sediment was removed in November 2002. Photographs were taken of the chamber before and after the sediment was removed. Holes or cracks in the walls or base of the chamber were not observed during the field activities.

The attached information package includes the laboratory report for the analysis of the sediment, photographs, waste management information, and land survey data. The attached information is intended for information only. Additional evaluation of the former industrial activities at Building 392 is included as part of the Environmental Baseline Survey (EBS) update process, and the EBS team was provided with the attached information.

Please do not hesitate to contact me at (619) 532-0783 if you have questions pertaining to this transmittal.

Attachment:
Information Package (Geofon January 2003)

CF:
Andy Piszkin w/o atch; CSO El Toro w/atch; MCAS El Toro Project File w/atch

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Attachment 2: Photographs of Field Activities

Attachment 3: Field Notes

Attachment 4: Laboratory Analytical Data

Attachment 5: RCRA-Hazardous Soil Waste Manifest

1.0 INTRODUCTION

GEOFON, Inc. (GEOFON) has prepared this Information Package for sediment removal and triple-rinsing of a battery acid neutralizing chamber at the Building 392 site at the Marine Corps Air Station (MCAS), El Toro, California (Figure 1). The work was provided for the Department of the Navy, Southwest Division (SWDIV) under United States Navy Contract No. N68711-02-F-8210, and was completed in accordance with the Statement of Work (SOW) dated 27 March 2002, and all federal, state and local regulations.

2.0 BACKGROUND INFORMATION

Building 392 is located in the north-central portion of the MCAS, El Toro as shown in Figure 2. Building 392 served as the training and advance base gear facility. A concrete battery acid neutralizing chamber (BANC) with a volume of 250 gallons is present in the Battery Locker located in the southwestern portion of Building 392. This chamber was used to neutralize acids and bases utilized in conjunction with maintenance of vehicular and other military hardware. Historical information pertaining to Building 392 is presented as Attachment 1.

3.0 FIELD ACTIVITIES

Field activities included removing approximately two cubic feet of metal-impacted sediment from the battery acid neutralizing chamber inside Building 392 (BANC392). The sediment layer was approximately 3-4 inches thick, was very dry and had some miscellaneous plastic, metal and rubber debris interspersed throughout the sediment. On November 4, 2002, the sediment was manually excavated and placed into one (1) 55-gallon steel drum. The concrete chamber was then triple-rinsed with a pressure washer and the rinsate was collected and was also placed into the drum. Very little water was required for rinsing as almost all of the dry sediments were removed manually. Approximately four to five gallons of rinsate was generated and placed into the sediment-containing drum. The drum of wet sediment was sealed, labeled and temporarily stored next to the BANC until receipt of analytical data and subsequent disposal. After completion of sediment removal and the rinsing process, the chamber was visually inspected. The post-cleaning inspection did not reveal any cracks or holes. Photographs of the field activities are presented as Attachment 2.

Calvada Surveying, Inc. performed a site survey on November 20, 2002. The site survey map is presented as Figure 3 and the associated survey locations are presented in Table 1. Field notes/sketches of the site are presented as Attachment 3.

4.0 LABORATORY ANALYSIS

One (1) sediment (soil matrix) sample (BANC392-SEDIMENT-1) from the battery acid neutralizing chamber inside Building 392 was collected and analyzed. Table 2 presents a summary of the analytical results of the sediment sample. Laboratory reports are presented as Attachment 4.

The following EPA Methods were utilized for disposal characterization:

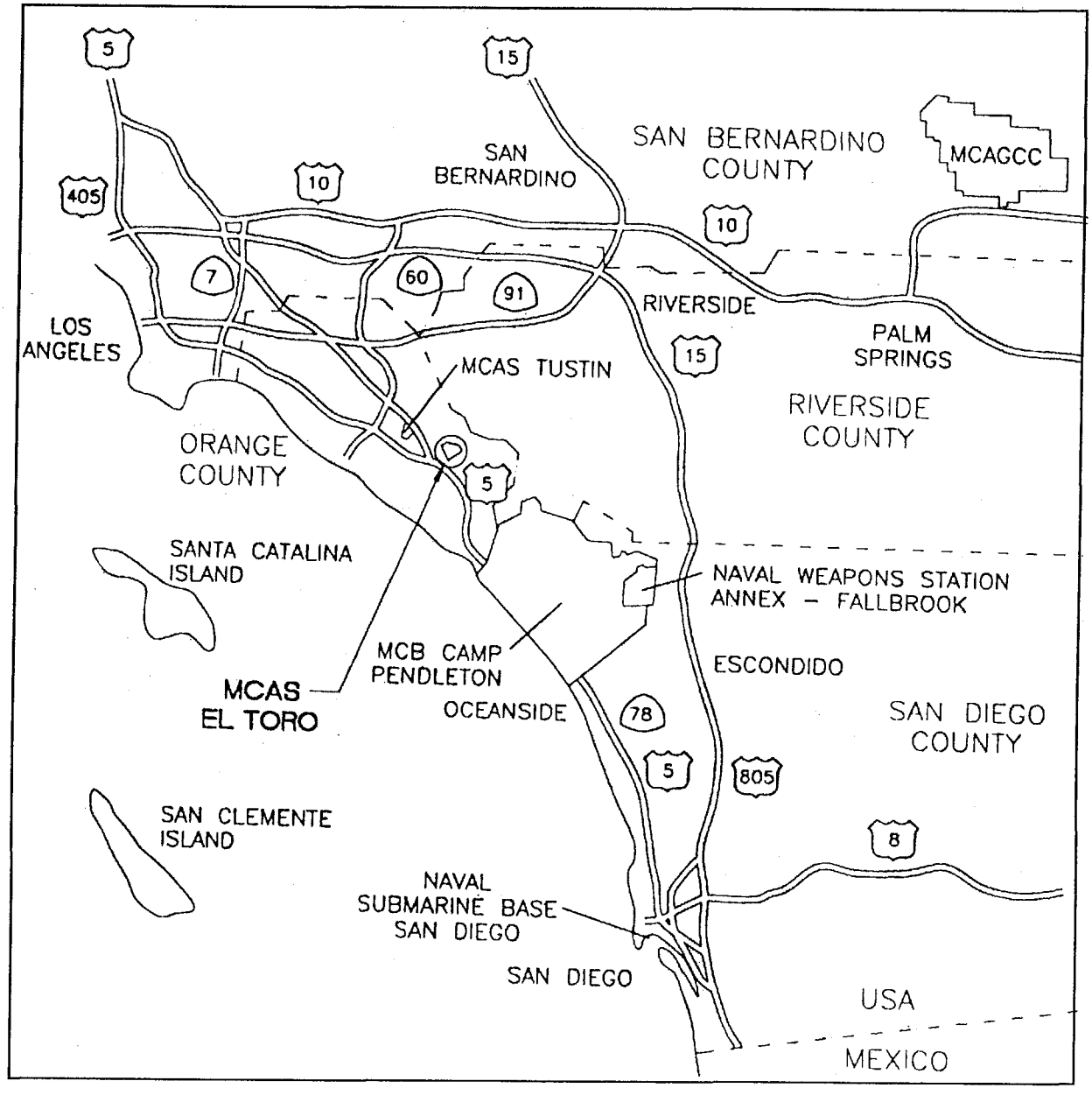
- EPA Method 8260B for VOCs
- EPA Method 8015-Modified for Total Petroleum Hydrocarbons (Full Screen)
- EPA Method 8270 for BNA
- EPA Method 6010C for Metals

5.0 WASTE MANAGEMENT

Based on the waste profile generated from the results of the laboratory analytical data, the contents of the drum were classified as a RCRA-hazardous solid waste due to the reported levels of lead, chromium and mercury.

On December 5, 2002, Belshire Environmental, a California-certified waste hauler, manifested and transported one (1) drum from the Building 392 site for disposal. A copy of the RCRA-hazardous solid waste manifest is presented as Attachment 5. The drum was taken to Onyx Environmental, a California-licensed disposal facility located in Azusa, California.

FIGURES



Scale in Miles

0 20 40

Reference: Map Prepared by Klienfelder

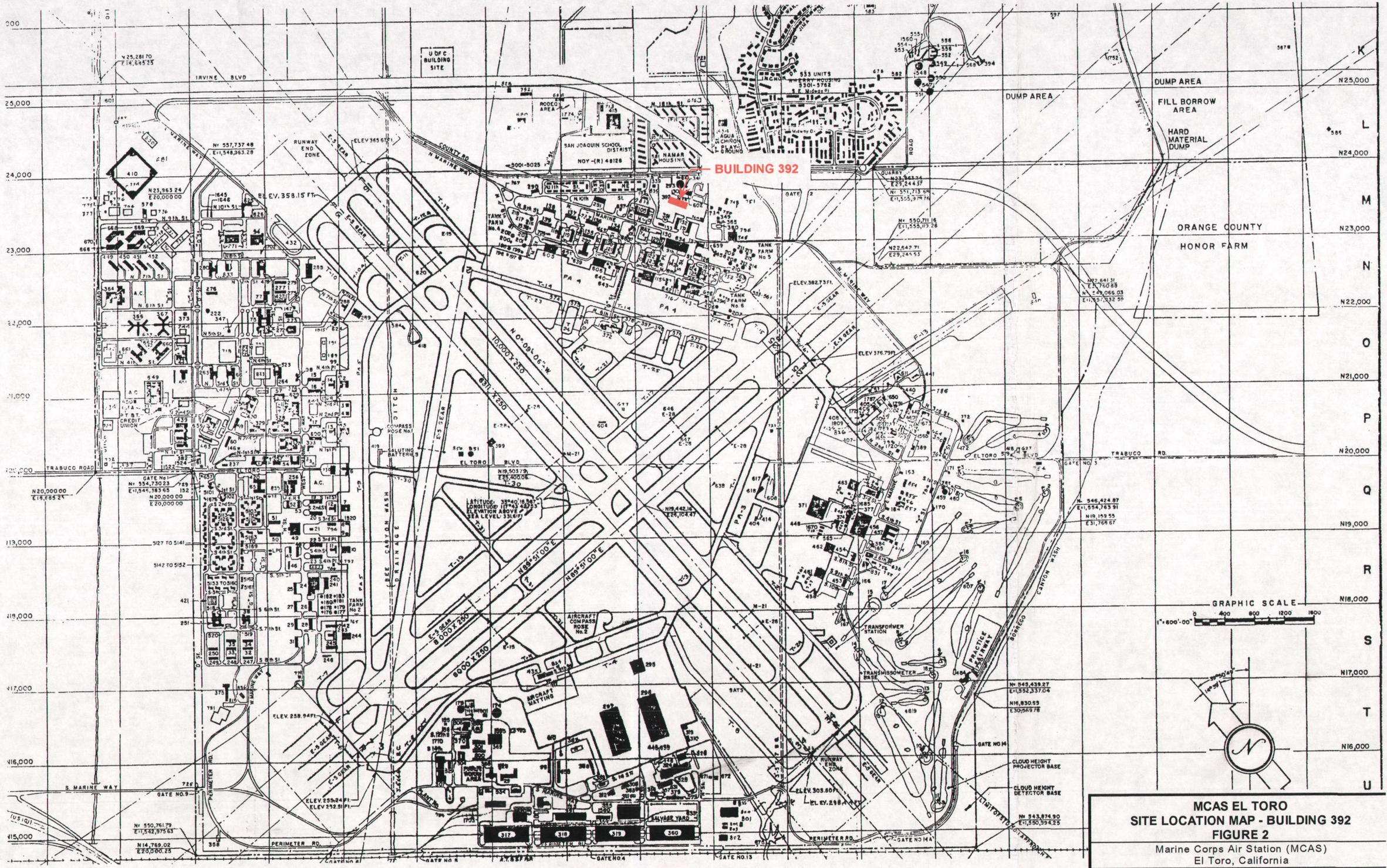
N

PROJECT VICINITY MAP
FIGURE 1

Marine Corps Air Station (MCAS)
El Toro, California

GEOFON INCORPORATED

Date: December, 2002
Contract No.: N68711-02-F-8210



MCAS EL TORO
SITE LOCATION MAP - BUILDING 392
FIGURE 2

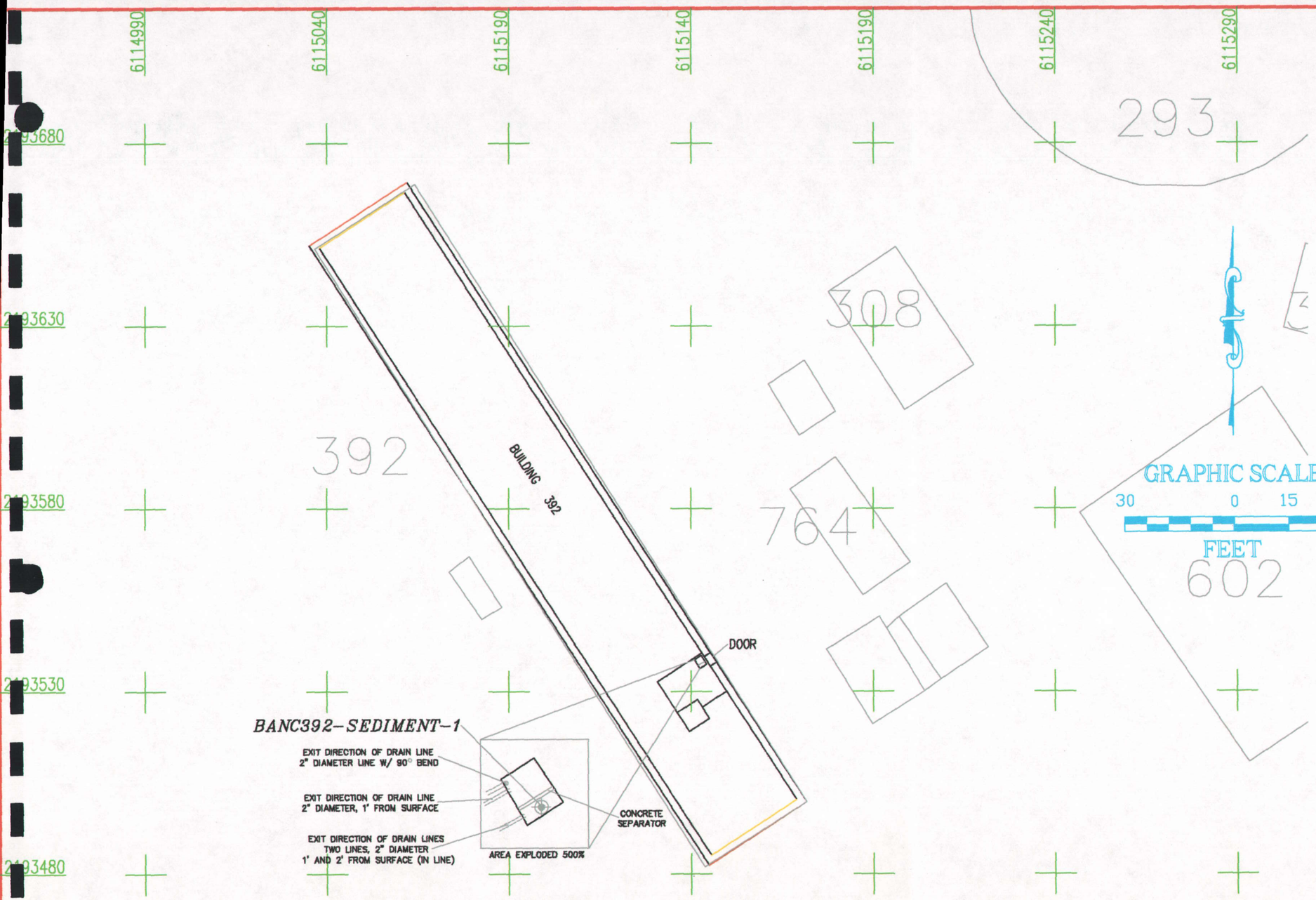
Marine Corps Air Station (MCAS)
El Toro, California

GEOFON INCORPORATED

Date: December, 2002
Contract No.: N68711-02-F-8210

SITE PLAN

PROJECT: EL TORO MARINE BASE
EL TORO, CA
BUILDING 392



Legend

AC	ASPHALT PAVING		VAPOR EXTRACTION WELLS
BH	BORE HOLE		VAPOR EXTRACTION VALVES
CLF	CHAIN LINK FENCE		BORE HOLE
EB	ELECTRIC BOX	TOR	TOP OF RIM
EMB	ELECTRIC MAN HOLE	TOC	TOP OF CASING
EV	ELECTRIC VAULT	TOP	TOP OF CONCRETE
FS	FINISH SURFACE	BTM	BOTTOM OF CONCRETE
FR	FIRE RISER	TT	TOP OF TANK
GM	GAS METER	TP	TOP OF PIPE
GV	GAS VAULT	TC	TOP OF CURB
PHV	PHONE VAULT	FL	FLOW LINE
SCO	SEWER CLEAN OUT		RAILROAD TRACKS
SD	STORM DRAIN		PARKING LOT LIGHT
TV	TELEPHONE VAULT		WOOD FENCE
TMH	TELEPHONE MAN HOLE		CHAIN LINK FENCE
TOW	TOP OF WALL		CATCH BASIN
UB	UTILITY BOX		LANDSCAPE TREE
VLT	VAULT		CENTER LINE
WB	WATER BOX		PROPERTY LINE
WM	WATER METER	DD	DEGREES
WVS	WATER VALVES		LIGHT
	MONITORING WELL		
	SPARGE POINT		

DATE OF SURVEY
NOVEMBER 20, 2002

BENCH MARK
THE ELEVATIONS SHOWN HEREON ARE BASED UPON ORANGE COUNTY SURVEYORS MONUMENT NO.: 3E-113-90 ELEVATION = 410.860 Feet (NGVD 29)

COORDINATES
THE COORDINATES SHOWN HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM (NAD83), CALIFORNIA ZONE VI.

PREPARED FOR
GEOFON
22632 GOLDEN SPRINGS DR.
SUITE 270
DIAMOND BAR, CA 91765
PHONE: (909) 396-7662
FAX: (909) 396-1455

NO.	DATE	REVISIONS	BY
0	11-21-02	SUBMITTAL	HP

CALVADA SURVEYING, INC.
Los Angeles • San Francisco • Denver • Phoenix
105 Business Center Drive Corona, CA 92880-1782
Phone: (909) 280-9960
Fax: (909) 280-9746
www.calvada.com • (800) CALVADA (225-8232)

FIGURE 3

TABLES

TABLE 1
Surveyed Points - Building 392

DESCRIPTION	NORTH	EAST	LATITUDE (DD)	LONGITUDE (DD)	ELEVATION
BUILDING-COR	2193482.39	6115144.82	33.6780345	-117.7177631	416.17
BUILDING-COR	2193499.83	6115171.57	33.6780834	-117.7176760	416.33
BUILDING-COR	2193669.26	6115061.96	33.6785447	-117.7180441	416.08
SAMPLE POINT	2193537.72	6115142.82	33.6781864	-117.7177722	412.96
VAULT-COR	2193539.79	6115142.68	33.6781921	-117.7177727	416.46
VAULT-COR	2193538.61	6115140.86	33.6781888	-117.7177787	416.45
VAULT-COR	2193536.11	6115142.31	33.6781820	-117.7177738	416.45
VAULT-COR	2193537.37	6115144.26	33.6781855	-117.7177675	416.46

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL DATA
BUILDING 392 - BATTERY ACID NEUTRALIZING CHAMBER
SEDIMENT (SOIL) MATRIX

Chemical Analyte	EPA Method	PQL	Sample ID BANC392-SEDIMENT-1
Total Petroleum Hydrocarbons			
TPH-G (C_4 - C_9)	8015-Mod	0.1 mg/kg	ND
TPH-D (C_9 - C_{23})	8015-Mod	0.1 mg/kg	804.0
TPH -HC (C_{23+})	8015-Mod	0.5 mg/kg	4,680.0
Metals			
Antimony	6010B	10.0 mg/kg	167.0
Arsenic	6010B	10.0 mg/kg	55.0
Barium	6010B	5.0 mg/kg	138.0
Beryllium	6010B	2.5 mg/kg	ND
Cadmium	6010B	2.5 mg/kg	23.8
Chromium	6010B	5.0 mg/kg	197.0
Cobalt	6010B	5.0 mg/kg	3.9 J
Copper	6010B	5.0 mg/kg	108.0
Lead	6010B	5.0 mg/kg	5,340.0
Mercury	7470A	0.2 mg/kg	1.5
Molybdenum	6010B	5.0 mg/kg	6.5
Nickel	6010B	5.0 mg/kg	9.2
Selenium	6010B	10.0 mg/kg	ND
Silver	6010B	5.0 mg/kg	15.5
Thallium	6010B	10.0 mg/kg	ND
Vanadium	6010B	5.0 mg/kg	31.0
Zinc	6010B	5.0 mg/kg	333.0
Volatile Organic Compounds			
Acetone	8260B	50.0 µg/kg	215.0
Benzene	8260B	10.0 µg/kg	ND
Ethylbenzene	8260B	10.0 µg/kg	ND
Toluene	8260B	10.0 µg/kg	10.0
All Other VOCs	8260B	Varies	ND
Semi-Volatile Organic Compounds			
Bis (2-Ethylhexyl) Phthalate	8270C	2.5 mg/kg	110.0
Butyl-benzyl Phthalate	8270C	2.5 mg/kg	7.1
All Other SVOCs	8270C	Varies	ND

Definitions:

All analyte concentrations are in the same units as the PQL

TPH-G: Total Petroleum Hydrocarbons as Gasoline

TPH-D: Total Petroleum Hydrocarbons as Diesel

TPH-HC: Total Petroleum Hydrocarbons as Heavy Chains

J: Estimated value.

ATTACHMENT 1

HISTORICAL INFORMATION

SEE SHT. 29 FOR DETAILS

RECORD DRAWING

SHEET 27 OF 35

LETTER NOV 85 150 DATED 29 FEB 1956

388 392

REVISION	DATE	APPR.	BRIEF	BY
	1/17/56		AS BUILT	

A & E JOB NO. 5425

A & E DRAWING NO. M-42

DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS
ELEVENTH NAVAL DISTRICT P.W.O., SAN DIEGO, CALIFORNIA

QUINTON ENGINEERS LTD.
LOS ANGELES 17, CALIFORNIA

MF 54

DESIGNED DM
DRAWN HA
CHECKED GB - NC
P.D.E. Golden
FIRE PROT. ENGR. ES
BRANCH MGR. C. Frac
DIRECTOR W. Bobrick
PROJECT MGR. Huelman
COORDINATOR N. Brown

MARINE CORPS AIR STATION
EL TORO (SANTA ANA) CALIFORNIA

TRAINING & ADVANCE BASE GEAR FACILITY
MAG. X MAG. 15
MAINTENANCE SHOP
PLAN, PLUMBING & DETAILS

APPROVED [signature] DATE 7-6-54
DISTRICT PUBLIC WORKS OFFICER FOR CHIEF OF BUREAU

SATISFACTORY TO

DATE

SCALE AS SHOWN — SPEC 44725

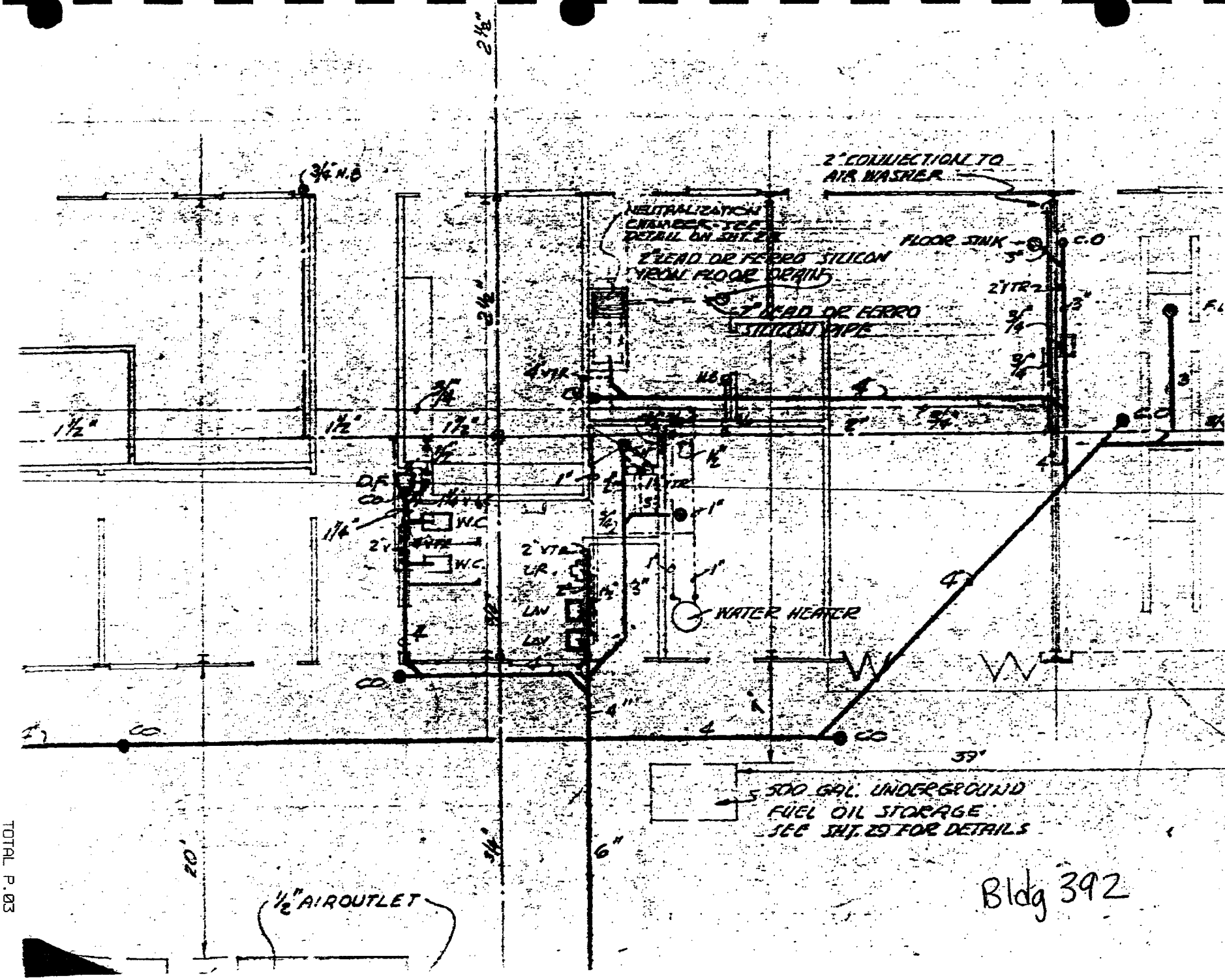
SHEET 27 OF 34 NOV 85150

Y & D DRAWING NO. 652646

EES INVOLVED

MF JAN 13 1956

JAN-07-2003 14:26


2" CONNECTION TO AIR WASHER
NEUTRALIZATION CHAMBER - SEE DETAIL ON SHT. 28
2" LEAD OR FERRO SILICON IRON FLOOR DRAIN
2" LEAD OR FERRO SILICON PIPE
FLOOR SINK
C.O
3/4" H.B
1 1/2"
W.C.
WATER HEATER
500 GAL. UNDERGROUND FUEL OIL STORAGE SEE SHT. 29 FOR DETAILS
1/2" AIROUTLET
39'
20'
6"
Bldg 392

El Toro Building Guide

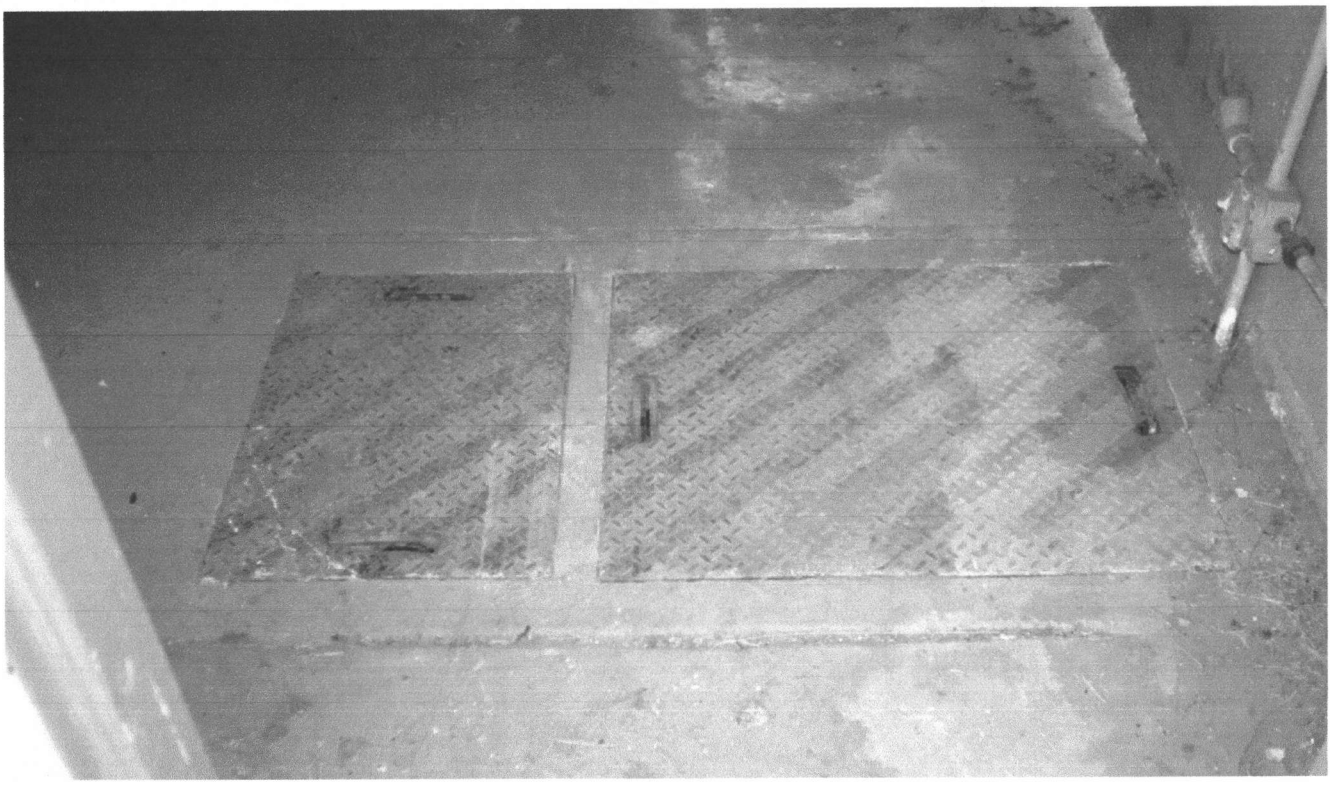
BLDG	GRI	DESCRIPTION	TENANT	CATCO	CAC	SIZE
375	S3	Bachelor Officers Quarters	Sta/G-4	72412	EBKO	24 PN
376	04	Fire Station Dispatch	Sta/G-1	73110	EBLO	1649 SF
377	Q11	Water Storage Tank	Installation	84330	EAUO	316000G
379	U9	Truck Weighing Facility	Supply	89056	EAPO	1 EA
380	M10	Standby Generator Bldg	Installation	81159	EAAO	1050 SF
382	P3	Electrical Distr Subs #1	Installation	81209	EABO	207 SF
383	U8	Electrical Distr Subs #2	Installation	81209	EHAO	160 SF
384	R12	Electrical Distr Subs #3	Installation	81209	EHAO	160 SF
385	M10	Electrical Distr Subs #4	Installation	81209	EHAO	160 SF
386	T7	Construction Equip Shop	Sta/G-4	21420	EBBO	7136 SF
387	T8	Loading/Unloading Ramp	CSSD-14	85115	EDAO	159 SF
388	U8	Field Maint Shop	CSSD-14	21453	EBBO	7040 SF
389	P12	Loading/Unloading Ramp	Station	85115	EDAO	159 SF
390	P13	Golf Cart Shop	MWR/Rec	74080	EBLO	6400 SF
391	M9	Loading/Unloading Ramp	MAG-11	85115	EDAO	159 SF
392	M9	ACFT Ground Supt Equip	MALS-11	21860	EBBO	6400 SF
394	K13	Transmitter(UHF/VHF	Sta/G-6	13150	EBMO	1596 SF
396	N10	Aircraft Truck Fueling	Supply	12120	ECWO	1 EA
399	P7	Vortac Facility	Sta/G-6	13325	EBUO	425 SF
402	K8	Stables Toilet	MWR/Rec	73075	EBLO	75 SF
404	Q10	Receiver Bldg	Sta/G-6	13150	EBMO	909 SF
405	P12	Applied Instruction Bldg	MALS-16	17120	EBAO	3208 SF
406	P12	Applied Instruction Bldg	MALS-16	17120	EBAO	2285 SF
407	P12	(Squadron Headquarters)	Vacant	61072	EBFO	400 SF
408	P12	(Guard Tower)	Vacant	87220	ECSO	64 SF
409	P12	(Guard Tower)	Vacant	87220	ECSO	64 SF
410	L2	Playing Fields, Softball	MWR/Rec	75020	ESCO	4 EA
414	Q10	Standby Generator Bldg	Sta/G-3	81159	EAAO	384 SF
415	L8	Storage out of Stores	MAG-11	44112	EBDO	40313 SF
416	P14	Storage Bldg	FAA	44110	EBDO	480 SF
419	P5	Saluting Battery	Supply	69015	ECLO	1 EA
420	Q3	Station Flagpole	Adjutant	69010	ECLO	1 EA
421	R3	Playing Courts, Tennis	MWR/Rec	75010	ECNO	2 EA
422	O3	Playing Courts, Tennis	MWR/Rec	75010	ECNO	1 EA
427	N4	Playing Courts, Hndbl/Bsktbl	MWR/Rec	75010	ECNO	1 EA
430	P3	Playing Court, Tennis	MWR/Rec	75010	ECNO	1 EA
432	M4	Foot/Soccer/Baseball Field	MWR/Rec	75020	ECNO	4 EA
435	S7	Acft Fire & Rescue Station	SOMS	14120	EBNO	11440 SF
439	P2	Branch Dental Clinic	13th Dental	54010	EBEO	10680 SF
439	P2	Branch Medical Clinic	Nav Hosp	55010	EBEO	59487 SF
440	O12	Missile Magazine	Station	42172	EBQO	930 SF
441	O12	Aviation Armament/Sta	Station/G-4	21154	EBVO	1500 SF
442	P12	Aviation Armament/Sta	MALS-11	21154	EBVO	6220 SF
443	02	Photographic Laboratory	Training	14160	EBNO	3288 SF
443	O2	Academic Instruction Bldg	Training	17110	EBAO	4592 SF
443	O2	Academic Instruction Bldg	Training	17120	EBAO	22086 SF

368	61010	INSTALLATIONS DEPT BLDG	NOY71129	19540201	SF	19,950	160	131	24	$404,548	$1,757,769	1954	1990
369	44172	SERVMART	NOY71129	19540101	SF	29,568	200	140	24	$306,771	$1,855,425	1954	1990
370	21910	PW PAINT/CARP/METAL TRADES	NOY71129	19540301	SF	15,280	184	140	26	$230,321	$1,336,068	1954	1990
371	21105	IMA HANGAR	NOY72539	19540901	SF	86,652	272	261	59	$11,812,615	$24,409,098	1954	1990
372	14140	AIRFIELD OPERATIONS/TOWER	NOY74043	19540601	SF	27,275	317	89	57	$994,785	$5,136,487	1954	1989
374	82109	UTILITY BLDG	NOY72539	19540501	SF	5,586	113	49	18	$523,670	$1,472,637	1954	1987
377	84330	WATER STORAGE TANK	NOY72539	19540115	SY	0	59	0	17	$40,000	$253,080	1954	
FT553	12450	UNLEADED MOGAS STOR	NOY74102	19560601	SY	0	27	8	0	$6,100	$35,600	1956	
FT554	82160	MOGAS STOR TANK	NOY74102	19560601	SY	0	27	8	0	$6,100	$35,600	1956	
555	14375	POL SAMPLING BLDG	NOY89098	19550401	SF	800	40	20	8	$21,147	$90,449	1955	1989
556	12520	MANIFOLD STATION	NOY74102	19550115	SF	543	35	15	8	$17,800	$109,951	1955	
FT558	12120	TANK TRUCK LOADING STAND	NOY26892	19520601	SY	0	20	8	12	$23,724	$161,299	1952	
FT559	12120	TANK TRUCK LOADING STAND	NOY26892	19520601	SY	0	20	8	12	$23,724	$161,299	1952	
FT560	12120	TANK TRUCK LOADING STAND	NOY26892	19520601	SY	0	20	8	12	$23,724	$161,299	1952	
FT561	12120	TANK TRUCK LOADING STAND	NOY74102	19550801	SY	0	20	8	12	$50,099	$306,005	1955	
376	61010	FIRE ALARM HEADQUARTERS	NOY72540	19540601	SF	1,649	21	38	20	$41,176	$246,763	1954	1990
380	81159	STAND-BY GEN BLDG	NOY72540	19540201	SF	1,050	50	21	19	$40,146	$224,352	1954	1983
347	74085	EXCHANGE INSTALL WAREHOUSE	NOY14649	19481001	SF	9,306	177	96	13	$31,370	$227,275	1948	1984
383	81209	SUBSTATION	NOY72540	19540101	SF	160	16	10	9	$1,120	$7,086	1954	
384	81209	SUBSTATION	NOY72540	19540101	SF	160	16	10	9	$1,120	$7,086	1954	
385	81209	SUBSTATION	NOY72540	19540101	SF	160	16	10	9	$1,120	$7,086	1954	
	85235	MISC PAVEMENTS/BITUMINOUS/		19430101	SY	235,032	0	0	0	$855,690	$10,213,841	1943	1990
1791	21154	ORDNANCE BLDG		19460301	SF	1,680	84	20	8	$11,436	$115,629	1946	
1703	44130	HAZARDOUS/FLAMMABL SHED		19520601	SF	480	30	16	14	$1,000	$6,698	1952	
1710	21925	PW MAINT		19460115	SF	560	28	20	8	$3,077	$31,112	1946	
1702	74032	AUTO WASH RACK		19550115	SF	1,980	55	36	20	$1,931	$11,928	1955	
1719	44112	NBC SCHOOL/GRP	NOY11100	19460601	SF	960	48	20	8	$6,178	$62,466	1946	1977
1720	61072	NBC SCHOOL ADMIN BLDG		19460601	SF	960	48	20	8	$9,166	$92,677	1946	1977
1721	72111	GUARD QUARTERS	NOY11100	19460601	SF	960	48	20	8	$5,076	$51,323	1946	1977
	12510	POL DISTRI PIPE LINE UNDERGR	NOY80722	19520301	SY	0	0	0	0	$2,643,361	$4,222,850	1952	1990
408	87220	GUARD TOWERS /SW/	NOY90791	19560201	SF	64	8	8	20	$3,617	$21,210	1956	1977
409	87220	GUARD TOWER	NOY90791	19560201	SF	64	8	8	20	$1,741	$10,209	1956	
405	17120	INSTRUCTION BUILDING/MAWTU	NOY90791	19560201	SF	3,208	61	57	13	$74,984	$103,641	1983	1984
406	17120	AIR CREW WPNS/TACTICS TRNG	NOY90791	19560201	SF	2,285	58	35	12	$45,989	$268,392	1956	1977
407	61072	ADMINISTRATION /SW/	NOY90791	19560201	SF	400	20	20	10	$7,425	$43,332	1956	1977
386	21420	HVY EQ MAINT	NOY85150	19551001	SF	7,136	213	36	21	$144,288	$414,058	1955	1988
387	85115	LOADING/UNLOADING RAMP	NOY85150	19550101	SY	159	50	29	3	$2,081	$12,711	1955	
388	21453	FIELD MAINTENANCE SHOP	NOY85150	19550401	SF	7,040	220	32	17	$107,081	$564,128	1955	1990
389	85115	LOADING/UNLOADING RAMP	NOY85150	19550401	SY	159	50	29	3	$2,081	$12,711	1955	
390	74080	GOLF CART HOUSE	NOY85150	19550401	SF	6,400	200	32	18	$97,310	$566,031	1955	1983
391	85115	LOADING UNLOADING RAMP	NOY85150	19550115	SY	159	50	29	3	$2,081	$12,711	1955	
392	21860	GSE SHOP	NOY85150	19550901	SF	6,400	200	32	17	$284,105	$795,242	1955	1986
416	44110	AIR SURVEILLANCE RADAR BLDG	NOY86782	19570601	SF	480	24	20	11	$42,112	$237,133	1957	
579	44135	STORAGE BUILDING	NOY86782	19570101	SF	176	16	11	9	$14,239	$80,180	1957	
404	13150	TRANSMITTER BUILDING	NOY90826	19570115	SF	909	50	18	11	$54,824	$308,714	1957	
414	81159	STAND-BY GEN. BLDG.	NOY90826	19570115	SF	384	24	16	13	$19,913	$112,130	1957	
394	13135	RADIO RECEIVER BUILDING	NOY86704	19560115	SF	1,596	42	38	11	$84,980	$495,943	1956	
568	81159	STAND-BY GEN BLDG	NOY86704	19560115	SF	176	16	11	9	$18,428	$107,546	1956	
573	13210	RECEIVING ANTENNA-LF	NOY86704	19560115	SY	0	0	0	50	$7,465	$43,775	1956	
FT396	12120	A/C TRUCK FUEL FACILITY	NOY86722	19560601	SY	0	6	6	16	$13,127	$76,609	1956	
421	75010	TENNIS COURT	NOY9453	19450601	SY	0	130	120	0	$11,591	$133,860	1945	1983
422	75010	TENNIS COURT	NOY9453	19460115	SY	0	120	60	0	$5,472	$56,668	1946	
399	13325	VOR FACILITIES	NOY89088	19560601	SF	425	25	17	12	$92,531	$194,826	1956	1981

ATTACHMENT 2

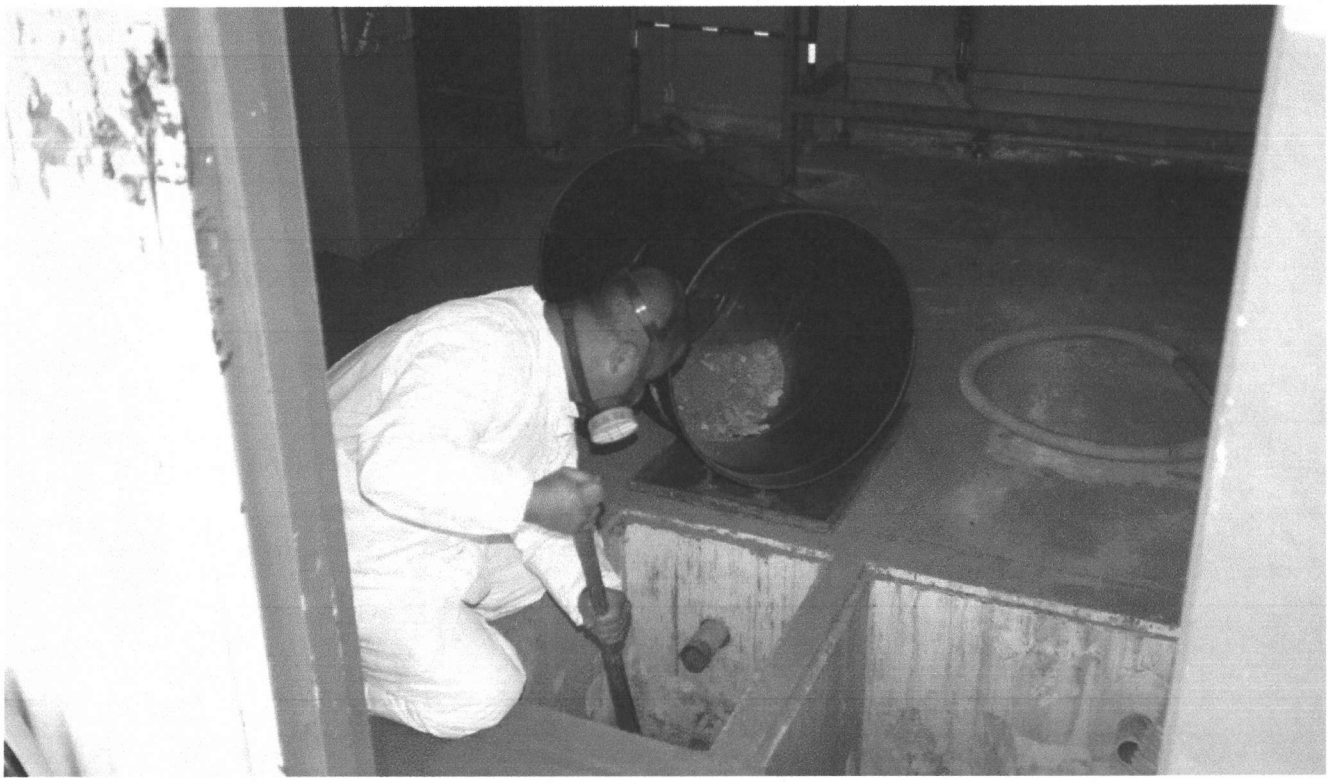
PHOTOGRAPHS OF FIELD ACTIVITIES

GEOFON INCORPORATED



Battery Neutralization Chamber at Building 392 Prior to the Initiation of Field Activities - View Southwest

Sediments in the Bottom of the Battery Neutralization Chamber at Building 392 - View Northeast

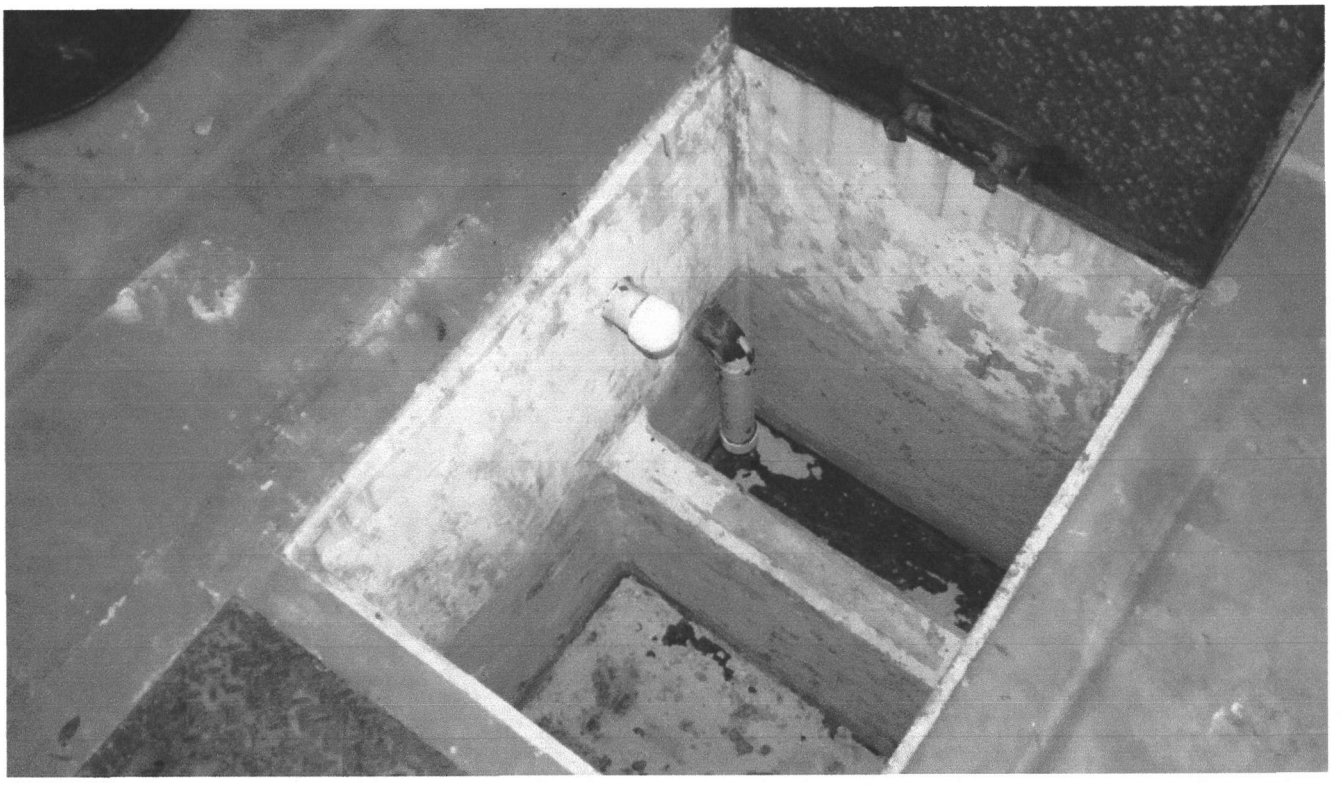


Removal of Sediments from the Battery Neutralization Chamber at Building 392 - View Southwest

Cleaning Activities at the Battery Neutralization Chamber at Building 392 - View Southwest

GEOFON INCORPORATED

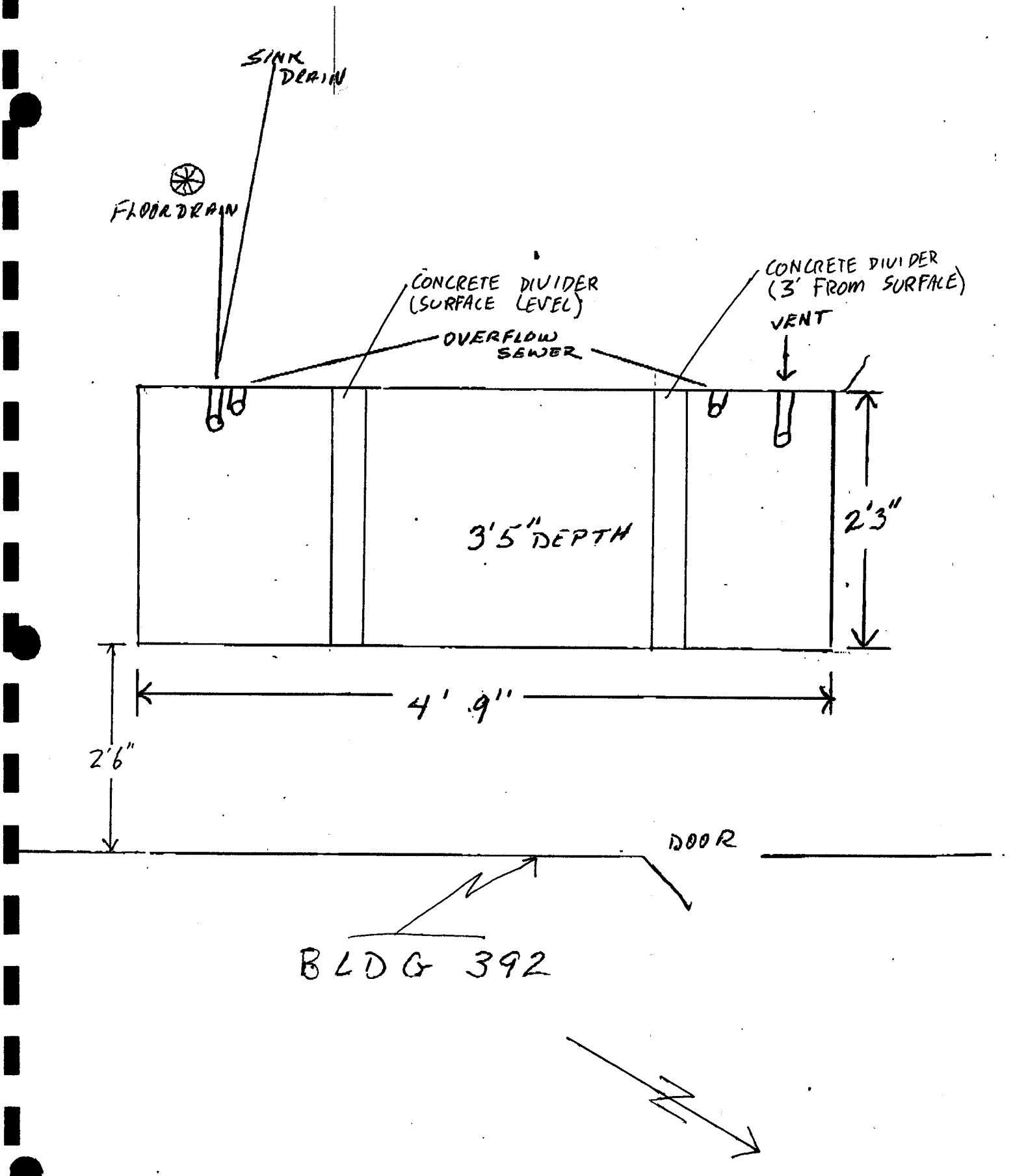
Removal of Rinse Water from the Battery Neutralization Chamber at Building 392 - View Southwest



The Battery Neutralization Chamber at Building 392 Upon Completion of Cleaning and Pipe Capping Activities - View Northwest

ATTACHMENT 3

FIELD NOTES


SINK DRAIN
FLOOR DRAIN
CONCRETE DIVIDER (SURFACE LEVEL)
OVERFLOW SEWER
CONCRETE DIVIDER (3' FROM SURFACE)
VENT
3'5" DEPTH
2'3"
4' 9"
2'6"
DOOR
BLDG 392

ATTACHMENT 4

LABORATORY ANALYTICAL DATA

American Environmental Testing Laboratory Inc.

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Ordered By

Geofon, Inc.
22632 Golden Springs Drive Suite 270
Diamond Bar, CA 91765-

Telephone: (909)396-7662
Attention: Leo W. Williamson

Number of Pages 23
Date Received 10/23/2002
Date Reported 11/05/2002

Job Number	Order Date	Client
23329	10/23/2002	GEOFON

Project ID: 04-4432.10
Project Name: MCAS- El Toro
Site: Bldg 392
El Toro, CA

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: G. Mneli

Approved By: C Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

JOB# 23329

BL 392 SEDIMENTS

GEOFON'S LAB COORDINATOR: Leo W. Williamson	LAB COORDINATOR'S PHONE: (909) 396-7662	LAB COORDINATOR'S FAX: (909) 396-1455	LABORATORY SERVICE ID:	LABORATORY CONTACT: Jim Lin	MAIL REPORT (COMPANY NAME): GEOFON, INC.
PROJECT NAME: MCAS- El Toro	PROJECT LOCATION: BLDG 392	PROJECT NUMBER: 04-4432.10	LABORATORY PHONE: (818) 845-8200	LABORATORY FAX: (818) 845-8840	RECIPIENT NAME: Leo W. Williamson
PROJECT CONTACT: Leo W. Williamson	PROJECT PHONE NUMBER: (909) 396-7662	PROJECT FAX: (909) 396-1455	LABORATORY ADDRESS: 2834 N. Naomi St.		ADDRESS: 22632 Golden Springs Dr. #270
PROJECT ADDRESS: MCAS- El Toro	CITY, STATE AND ZIPCODE: El Toro, CA.	CLIENT: US NAVY, SWDIV	CITY, STATE AND ZIPCODE: Burbank, CA. 91504		CITY, STATE AND ZIPCODE: Diamond Bar, CA. 91765
PROJECT MANAGER: Asrar Faheem	PROJECT MANAGER'S PHONE: (909) 396-7662	PROJECT MANAGER'S FAX: (909) 396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: 8260B (VOCs)	8015-MOD (TPH-full)	8270 (BNA)	6010C (metals)					Comments
1	BANC392-SEDIMENT-1 LAB ID 23329.01	SOIL	10/23/02	1420	*/NONE	4+1 +1 TUBE	III	NORMAL	X	X	X	X					*: 2x 40ml w/Sodium Bisulfate 1x 40ml w/ Methanol 1x 40ml w/ None 1x 10G Polypropylene Syringe
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: Leo W. Williamson

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Leo W. Williamson	[signature]	10/23/02	1900	
[signature]	[signature]	10/24/02	0740	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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ANALYTICAL RESULTS

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Site
Bldg 392
El Toro, CA

Telephone: (909)396-7662
Attn: Leo W. Williamson

Page: 5
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submitted	Client
23329	10/23/2002	GEOFON

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 10262002 QC Prepared: 10/26/2002 QC Analyzed: 10/26/2002

Our Lab I.D.			23329.01				
Client Sample I.D.			BANC392-SEDIMENT1				
Date Sampled			10/23/2002				
Date Prepared			10/23/2002				
Preparation Method			5035				
Date Analyzed			10/26/2002				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			2				
Analytes	MDL	PQL	Results				
Acetone	50	100	215				
Benzene	4.0	20	ND				
Bromobenzene (Phenyl bromide)	10	20	ND				
Bromochloromethane	10	20	ND				
Bromodichloromethane	10	20	ND				
Bromoform (Tribromomethane)	50	100	ND				
Bromomethane (Methyl bromide)	30	60	ND				
2-Butanone (MEK)	50	100	ND				
n-Butylbenzene	10	20	ND				
sec-Butylbenzene	10	20	ND				
tert-Butylbenzene	10	20	ND				
Carbon Disulfide	50	100	ND				
Carbon tetrachloride	10	20	ND				
Chlorobenzene	10	20	ND				
Chloroethane	30	60	ND				
2-Chloroethyl vinyl ether	100	100	ND				
Chloroform (Trichloromethane)	10	20	ND				
Chloromethane (Methyl chloride)	30	60	ND				
2-Chlorotoluene	10	20	ND				
4-Chlorotoluene	10	20	ND				
1,2-Dibromo-3-chloropropane (DBCP)	50	100	ND				
Dibromochloromethane	10	20	ND				
1,2-Dibromoethane (EDB)	10	20	ND				
Dibromomethane	10	20	ND				
1,2-Dichlorobenzene	10	20	ND				

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ANALYTICAL RESULTS

Page: 6
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submittd	Client
23329	10/23/2002	GEOFON

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 10262002 QC Prepared: 10/26/2002 QC Analyzed: 10/26/2002

Our Lab I.D.			23329.01				
Client Sample I.D.			BANC392-SEDIMENT1				
Date Sampled			10/23/2002				
Date Prepared			10/23/2002				
Preparation Method			5035				
Date Analyzed			10/26/2002				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
1,3-Dichlorobenzene	10	20	ND				
1,4-Dichlorobenzene	10	20	ND				
Dichlorodifluoromethane	30	60	ND				
1,1-Dichloroethane	10	20	ND				
1,2-Dichloroethane (EDC)	10	20	ND				
1,1-Dichloroethene	10	20	ND				
cis-1,2-Dichloroethene	10	20	ND				
trans-1,2-Dichloroethene	10	20	ND				
1,2-Dichloropropane	10	20	ND				
1,3-Dichloropropane	10	20	ND				
2,2-Dichloropropane	10	20	ND				
1,1-Dichloropropene	10	20	ND				
cis-1,3-Dichloropropene	10	20	ND				
trans-1,3-Dichloropropene	10	20	ND				
Ethylbenzene	4.0	20	ND				
Hexachlorobutadiene	30	60	ND				
2-Hexanone	50	100	ND				
Isopropylbenzene	10	20	ND				
p-Isopropyltoluene	10	20	ND				
4-Methyl-2-pentanone (MIBK)	50	100	ND				
Methyl-tert-butyl ether (MTBE)	10	20	ND				
Methylene chloride (DCM)	50	100	ND				
Naphthalene	10	20	ND				
n-Propylbenzene	10	20	ND				
Styrene	10	20	ND				
1,1,1,2-Tetrachloroethane	10	20	ND				
1,1,2,2-Tetrachloroethane	10	20	ND				
Tetrachloroethene	10	20	ND				
Toluene (Methyl benzene)	4.0	20	10.0				
1,2,3-Trichlorobenzene	10	20	ND				
1,2,4-Trichlorobenzene	10	20	ND				
1,1,1-Trichloroethane	10	20	ND				
1,1,2-Trichloroethane	10	20	ND				

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ANALYTICAL RESULTS

Page: 7
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submittd	Client
23329	10/23/2002	GEOFON

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 10262002 QC Prepared: 10/26/2002 QC Analyzed: 10/26/2002

Our Lab I.D.			23329.01				
Client Sample I.D.			BANC392-SEDIMENT1				
Date Sampled			10/23/2002				
Date Prepared			10/23/2002				
Preparation Method			5035				
Date Analyzed			10/26/2002				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene	10	20	ND				
Trichlorofluoromethane	10	20	ND				
1,2,3-Trichloropropane	10	20	ND				
1,2,4-Trimethylbenzene	10	20	ND				
1,3,5-Trimethylbenzene	10	20	ND				
Vinyl Acetate	50	100	ND				
Vinyl chloride (Chloroethene)	30	60	ND				
o-Xylene	4.0	20	ND				
m,p-Xylenes	4.0	40	ND				

Our Lab I.D.			23329.01				
Surrogates	**Con.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		101				
Dibromofluoromethane	75-125		106				
Toluene-d8	75-125		104				

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ANALYTICAL RESULTS

Ordered By

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Telephone: (909)396-7662
Attn: Leo W. Williamson

Site

Bldg 392
El Toro, CA

Page: 8
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submitted	Client
23329	10/23/2002	GEOFON

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 10282002 QC Prepared: 10/28/2002 QC Analyzed: 10/28/2002

Our Lab I.D.				23329.01			
Client Sample I.D.			Method Blank	BANC392-SEDIMENT1			
Date Sampled			10/23/2002	10/23/2002			
Date Prepared			10/28/2002	10/28/2002			
Preparation Method			3550B	3550B			
Date Analyzed			10/28/2002	10/28/2002			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	500	1000	ND	ND			

Our Lab I.D.				23329.01			
Surrogates	Con.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		83	89			

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Site

Bldg 392
El Toro, CA

Page: 10
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submitted	Client
23329	10/23/2002	GEOFON

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 10242002 QC Prepared: 10/24/2002 QC Analyzed: 10/25/2002

Our Lab I.D.			23329.01				
Client Sample I.D.			BANC392-SEDIMENT1				
Date Sampled			10/23/2002				
Date Prepared			10/24/2002				
Preparation Method			3550B				
Date Analyzed			10/25/2002				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Diesel (C12-C23)	10	20	804				
TPH as Heavy Hydrocarbons (C23-C40)	10	20	4,680				
TPH Total as Diesel and Heavy HC.C12-C40	10	20	5,480				

Our Lab I.D.			23329.01				
Surrogates	**Con.Limit**		**% Rec.**				
Chlorobenzene	75-125		76				

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El Toro, CA

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Page: 14
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submitted	Client
23329	10/23/2002	GEOFON

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 10312002 QC Prepared: 10/31/2002 QC Analyzed: 11/01/2002

Our Lab I.D.			23329.01
Client Sample I.D.			BANC392-SEDIMENT1
Date Sampled			10/23/2002
Date Prepared			10/31/2002
Preparation Method			3550B
Date Analyzed			11/01/2002
Matrix			Soil
Units			mg/Kg
Dilution Factor			5
Analytes	**MDL**	**PQL**	**Results**
Acenaphthene	1.25	2.50	ND
Acenaphthylene	1.25	2.50	ND
Anthracene	1.25	2.50	ND
Azobenzene	1.25	2.50	ND
Benzidine	1.25	2.50	ND
Benzo(a)anthracene	1.25	2.50	ND
Benzo(a)pyrene	1.25	2.50	ND
Benzo(b)fluoranthene	1.25	2.50	ND
Benzo(ghi)perylene	1.25	2.50	ND
Benzo(k)fluoranthene	1.25	2.50	ND
Benzoic Acid	1.25	2.50	ND
Benzyl Alcohol	1.25	2.50	ND
Bis(2-Chloroethoxy)methane	1.25	2.50	ND
Bis(2-Chloroethyl)ether	1.25	2.50	ND
Bis(2-chloroisopropyl) ether	1.25	2.50	ND
Bis(2-ethylhexyl) phthalate	1.25	2.50	110
4-Bromophenyl phenyl ether	1.25	2.50	ND
Butyl benzyl phthalate	1.25	2.50	7.1
4-Chloro-3-methylphenol	1.25	2.50	ND
4-Chloroaniline	1.25	2.50	ND
2-Chloronaphthalene	1.25	2.50	ND
2-Chlorophenol	1.25	2.50	ND
4-Chlorophenyl phenyl ether	1.25	2.50	ND
Chrysene	1.25	2.50	ND
Di-n-butyl phthalate	1.25	2.50	ND

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ANALYTICAL RESULTS

Page: 15
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submittd	Client
23329	10/23/2002	GEOFON

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 10312002 QC Prepared: 10/31/2002 QC Analyzed: 11/01/2002

Our Lab I.D.			23329.01				
Client Sample I.D.			BANC392-SEDIMENT1				
Date Sampled			10/23/2002				
Date Prepared			10/31/2002				
Preparation Method			3550B				
Date Analyzed			11/01/2002				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
Di-n-octyl phthalate (Dioctyl ester)	1.25	2.50	ND				
Dibenzo(a,h)anthracene	1.25	2.50	ND				
Dibenzofuran	1.25	2.50	ND				
1,2-Dichlorobenzene	1.25	2.50	ND				
1,3-Dichlorobenzene	1.25	2.50	ND				
1,4-Dichlorobenzene	1.25	2.50	ND				
3,3'-Dichlorobenzidine	1.25	2.50	ND				
2,4-Dichlorophenol	1.25	2.50	ND				
Diethyl phthalate (Diethyl ester)	1.25	2.50	ND				
Dimethyl phthalate (Dimethyl ester)	1.25	2.50	ND				
2,4-Dimethylphenol	1.25	2.50	ND				
4,6-Dinitro-2-methylphenol	1.25	2.50	ND				
2,4-Dinitrophenol	1.25	2.50	ND				
2,4-Dinitrotoluene	1.25	2.50	ND				
2,6-Dinitrotoluene (2,6-DNT)	1.25	2.50	ND				
Fluoranthene	1.25	2.50	ND				
Fluorene	1.25	2.50	ND				
Hexachlorobenzene	1.25	2.50	ND				
Hexachlorobutadiene	1.25	2.50	ND				
Hexachlorocyclopentadiene	1.25	2.50	ND				
Hexachloroethane	1.25	2.50	ND				
Indeno(1,2,3-cd)pyrene	1.25	2.50	ND				
Isophorone	1.25	2.50	ND				
2-Methylnaphthalene	1.25	2.50	ND				
4-Methylphenol	1.25	2.50	ND				
2-Methylphenol (2-Cresol)	1.25	2.50	ND				
3-Methylphenol (3-Cresol)	1.25	2.50	ND				
N-Nitroso-Di-n-propylamine	1.25	2.50	ND				
Naphthalene	1.25	2.50	ND				
2-Nitroaniline	1.25	2.50	ND				
3-Nitroaniline	1.25	2.50	ND				
4-Nitroaniline	1.25	2.50	ND				
Nitrobenzene (NB)	1.25	2.50	ND				

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ANALYTICAL RESULTS

Page: 16
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submittd	Client
23329	10/23/2002	GEOFON

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 10312002 QC Prepared: 10/31/2002 QC Analyzed: 11/01/2002

Our Lab I.D.			23329.01				
Client Sample I.D.			BANC392-SEDIMENT1				
Date Sampled			10/23/2002				
Date Prepared			10/31/2002				
Preparation Method			3550B				
Date Analyzed			11/01/2002				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
4-Nitrophenol	1.25	2.50	ND				
2-Nitrophenol (o-Nitrophenol)	1.25	2.50	ND				
N-nitrosodiphenylamine	1.25	2.50	ND				
Pentachlorophenol	1.25	2.50	ND				
Phenanthrene	1.25	2.50	ND				
Phenol	1.25	2.50	ND				
Pyrene	1.25	2.50	ND				
1,2,4-Trichlorobenzene	1.25	2.50	ND				
2,4,5-Trichlorophenol	1.25	2.50	ND				
2,4,6-Trichlorophenol	1.25	2.50	ND				

Our Lab I.D.			23329.01				
Surrogates	**Con.Limit**		**% Rec.**				
2-Fluorophenol	25-121		29				
2-Fluorobiphenyl	30-115		65				
Nitrobenzene-d5	23-120		55				
Phenol-d5	21-113		18				
p-Terphenyl-D14	18-137		69				
2,4,6-Tribromophenol	19-122		55				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Geofon, Inc.
22632 Golden Springs Drive
Suite 270
Diamond Bar, CA 91765-

Telephone: (909)396-7662
Attn: Leo W. Williamson

Site

Bldg 392
El Toro, CA

Page: 17
Project ID: 04-4432.10
Project Name: MCAS- El Toro

AETL Job Number	Submitted	Client
23329	10/23/2002	GEOFON

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 10312002 QC Prepared: 10/31/2002 QC Analyzed: 10/31/2002

Our Lab I.D.				23329.01			
Client Sample I.D.			Method Blank	BANC392-SEDIMENT1			
Date Sampled			10/23/2002	10/23/2002			
Date Prepared			10/31/2002	10/31/2002			
Preparation Method			3050B	3050B			
Date Analyzed			10/31/2002	10/31/2002			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	5.0	10.0	ND	167			
Arsenic	5.0	10.0	ND	55.0			
Barium	2.5	5.0	ND	138			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	23.8			
Chromium	2.5	5.0	ND	197			
Cobalt	2.5	5.0	ND	3.9J			
Copper	2.5	5.0	ND	108			
Lead	2.5	5.0	ND	5,340			
Mercury (By EPA 7471)	0.1	0.2	ND	1.5			
Molybdenum	2.5	5.0	ND	6.5			
Nickel	2.5	5.0	ND	9.2			
Selenium	5.0	10.0	ND	ND			
Silver	2.5	5.0	ND	15.5			
Thallium	5.0	10.0	ND	ND			
Vanadium	2.5	5.0	ND	31.0			
Zinc	2.5	5.0	ND	333			

ATTACHMENT 5

RCRA-HAZARDOUS SOIL WASTE MANIFEST

Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12 pitch) typewriter.

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA617002320 8 — Manifest Document No: 00001
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
MARINE CORPS AIR STATION, EL TORO
P.O. BOX 444, E. IRVINE, CA 92650

4. Generator's Phone: 949 726-2506

A. State Manifest Document Number:
B. State Generator's ID:
C. State Transporter's ID (Reserved):
D. Transporter's Phone: 949-450-1010
E. State Transporter's ID (Reserved):
F. Transporter's Phone:
G. State Facility's ID: CAD008302903
H. Facility's Phone: 626-334-5117

5. Transporter 1 Company Name: B E S I
6. US EPA ID Number: CAD983584681
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address:
ONYX ENVIRONMENTAL SERVICES
1704 W. FIRST STREET
AZUSA, CA 91702-3226

10. US EPA ID Number: CAD008302903

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste Number
a. HAZARDOUS WASTE, SOLID, n.o.s. 9 NA 3077 PG III (D007, D008)	001	DM	00100	P	State 611 EPA/Other D007/D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above:
PROFILE No. 626764
SOIL CONTAMINATED WITH CHROMIUM & LEAD (B392)

K. Handling Codes for Wastes Listed Above:
a. 14
b.
c.
d.

15. Special Handling Instructions and Additional Information:
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

24-HOUR EMERGENCY PHONE:
949-450-1010 (M-F 8am-5pm)
949-753-5826 (24-hours)

BESI# 57523.02
Site: M.C.A.C. EL TORO
TRABUCO RD. & SAND CANYON
IRVINE, CA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Scott Kehe — Signature: [signature] — Month 12 Day 05 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Tracy v Pant Sr — Signature: [signature] — Month 12 Day 05 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space
Line 11.a. Drum contains free liquid. Should be shipped as HAZARDOUS waste liquid, n.o.s. (soil contaminated with chromium & lead) 9, NA3077 III, notified BESI 12-24-02

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
Printed/Typed Name: Lou Olson — Signature: [signature] — Month 12 Day 03 Year 02

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802 WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

DISC 8027A (1/99)
EPA 8700-22

SOUTHWESTNAVFACENGCOM
Code 06CC.LMH
1220 Pacific Highway
San Diego, CA 92132
Telephone: (619) 532-0783/Fax: (619) 532-0780

File: eltoroar.doc

TRANSMITTAL

Date: 31 Jan 03

From: Lynn Marie Hornecker
MCAS El Toro

To: Diane Silva
Code 05G.DS

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

Installation: Marine Corps Air Station, El Toro

UIC Number: M60050

Document Title (or subject):

Author:

Recipient:

Record Date:

Approximate Number of Pages:

EPA Category: 01.1

Sites: Bldg 392 Sump

Key Words: Sump

Contract: N/A

CTO Number: N/A

Sump at Bldg 392 is
located near IRP Site 3.