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NS MAYPORT
5090.3a

TANK CLOSURE ASSESSMENT REPORT TANK 425 NS MAYPORT FL
7/17/1995
MEI ENVIRONMENTAL SERVICES, INC

**MEI Environmental Services, Inc.
TANK CLOSURE ASSESSMENT REPORT**

**Tank ID # 425
FDEP FAC # 168626008
Naval Base Mayport
Mayport, Florida**

July 17, 1995

**Presented to:
MEI Environmental Services, Inc.
8351 Leesburg Pike
Vienna, Virginia (703) 893-1200**

**Presented By:
G.B. ROBBINS, INC.
P.O. Box 17132
Jacksonville, Florida 32245
(904) 724-9039**

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DER Form #	17-761.800(8)
Form Title	Closure Assessment Form
Effective Date	December 10, 1990
DER Application No.	(Filed in by DER)

Closure Assessment Form

Owners of storage tank systems that are replacing, removing or closing in place storage tanks shall use this form to demonstrate that a storage system closure assessment was performed in accordance with Rule 17-761 or 17-762, Florida Administrative Code. Eligible Early Detection Incentive (EDI) and Reimbursement Program sites do not have to perform a closure assessment.

Please Print or Type
Complete All Applicable Blanks

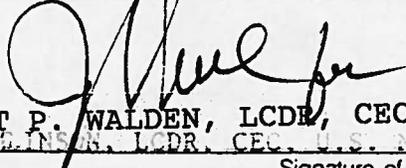
- Date: 7/17/95
- DER Facility ID Number: 168626008
- County: DUVAL
- Facility Name: NAVAL STATION MAYPORT
- Facility Owner: DEPARTMENT OF NAVY
- Facility Address: NAVAL STATION MAYPORT, MAYPORT, FL 32228-0067
- Mailing Address: --SAME--
- Telephone Number: (904) 270-6730
- Facility Operator: U. S. GOVERNMENT
- Are the Storage Tank(s): (Circle one or both) A Aboveground or (B) Underground
- Type of Product(s) Stored: FUEL OIL - HEAT
- Were the Tank(s): (Circle one) (A) Replaced B. Removed C. Closed in Place D. Upgraded (aboveground tanks only)
- Number of Tanks Closed: 1: 425
- Age of Tanks: 27 YEARS

Facility Assessment Information

- | Yes | No | Not Applicable | |
|-------------------------------------|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | 1. Is the facility participating in the Florida Petroleum Liability Insurance and Restoration Program (FPLIRP)? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | 2. Was a Discharge Reporting Form submitted to the Department?
If yes, When: _____ Where: _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | | 3. Is the depth to ground water less than 20 feet? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Are monitoring wells present around the storage system?
If yes, specify type: <input type="checkbox"/> Water monitoring <input type="checkbox"/> Vapor monitoring |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Is there free product present in the monitoring wells or within the excavation? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. Were the petroleum hydrocarbon vapor levels in the soils greater than 500 parts per million for gasoline?
Specify sample type: <input type="checkbox"/> Vapor Monitoring wells <input type="checkbox"/> Soil sample(s) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosene?
Specify sample type: <input type="checkbox"/> Vapor Monitoring wells <input type="checkbox"/> Soil sample(s) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Were the analytical laboratory results of the ground water sample(s) greater than the allowable state target levels?
(See target levels on reverse side of this form and supply laboratory data sheets) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 10. Are any potable wells located within 1/4 of a mile radius of the facility? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 11. Is there a surface water body within 1/4 mile radius of the site? If yes, indicate distance <u>850'</u> |

DER Form #	17-761900(1)
Form Title	Closure Assessment Form
Effective Date	December 10, 1990
DER Application No.	(Filled in by DCR)

12. A detailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, storm drains, sample locations, and dispenser locations must accompany this form.
13. If a facility has a pollutant storage tank system that has both gasoline and kerosene/diesel stored on site, both EPA Method 602 and EPA Method 610 must be performed on the ground water samples obtained.
14. Amount of soils removed and receipt of proper disposal.
15. If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761900(1) indicating a suspected release shall be submitted to the Department within one working day.
16. A copy of this form and any attachments must be submitted to the Department's district office in your area and to the locally administered program office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.


ROBERT P. WALDEN, LCDR, CEC, USN
TOLENSON, LCDR, CEC, U.S. NAVY STAFF CIVIL ENGINEER
 Signature of Owner

10/23/95
 Date


 Signature of Person Performing Assessment

7/17/95
 Date

Elizabeth A. Victor/Sr. Hydrogeologist / G.B. Robbins, Inc.
 Title of Person Performing Assessment

State Ground Water Target Levels That Affect A Pollutant Storage Tank System Closure Assessment

State ground water target levels are as follows:

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. For gasoline (EPA Method 602): <ol style="list-style-type: none"> a. Benzene 1 ug/l b. Total VOA 50 ug/l <ul style="list-style-type: none"> - Benzene - Toluene - Total Xylenes - Ethylbenzene c. Methyl Test-Butyl Ether (MTBE) 50 ug/l | <ol style="list-style-type: none"> 2. For kerosene/diesel (EPA Method 610) <ol style="list-style-type: none"> a. Polynuclear Aromatic Hydrocarbons (PAHS)
(Best achievable detection limit, 10 ug/l maximum) |
|--|---|

TANK CLOSURE FIELD ACTIVITIES

**United States Navy
Tank ID # 425
FDEP FAC #168626008
Naval Base Mayport
Mayport, Florida**

This is supplemental information to accompany Department of Environmental Protection Form 62-761.900(6) for closure of one 1,000 gallon underground fuel oil storage tank located east of Building 425 at the Naval Base Mayport, Mayport, Florida. The location is shown in Figure 1, Site Location.

The storage tank was used to store fuel oil for on-site heating. Over 200 feet of piping distributed product to the south and east to the buildings. The tank had a diameter of 4 feet 3 inches and a length of 10 feet 2 inches. The tank and piping were cleaned and degassed prior to tank closure. Tank location is identified in Figure 2, Tank Location.

Tank removal and closure was performed on June 22 and 23, 1995 by MEI Environmental Services, Inc. The tank was removed intact and appeared to be in good condition. No discharges of liquid from the tank during removal were observed. Groundwater was encountered in the excavation at a depth of approximately 6 feet below land surface. Photographs of the tank are attached.

G.B. Robbins, Inc. performed the closure assessment as required by Chapter 62-762.800, FAC and described in the Florida Department of Environmental Protection's, "Pollutant Storage Tank Closure Assessment Requirements" dated June, 1995 and "Quality Assurance Standard Operating Procedures for Petroleum Storage Tank System Closure Assessment" dated April, 1992. Screening, performed as outlined in Chapter 62-770.2, FAC, was conducted on-site using a Foxboro Century 128 Organic Vapor Analyzer equipped with a Flame Ionization Detector (OVA-FID). Calibration was performed according to the

manufacturer's requirements and per FDER/FDEP SOPs. The OVA-FID procedure is presented immediately before the tabulated OVA-FID results.

Four soil screening samples were collected by G.B. Robbins, Inc. during excavation and from the walls and invert of the excavation following tank removal. Soil samples were collected at no greater than five foot vertical and ten foot horizontal intervals and continued to the depth of the excavation, approximately 4.5 feet below land surface (bls).

Piping closure assessment was performed on July 22, 1995. Twenty one soil samples were collected using a hand auger from approximately two feet below the product piping and screened for organic vapors. Screening results are presented in Table 1. Sample collection locations are identified in Figure 3, Sample Locations and Area of Excavation.

One soil sample was collected from the floor of the excavation using a hand auger by G.B. Robbins, Inc. Soil sample collection was performed as outlined in the appropriate FDEP/FDER SOPs and referenced in G.B. Robbins' CompQapp.

Tank Closure

- * *Visual screening of soil during the excavation and documentation of tank condition was performed.*
- * *The area adjacent to the tank and soil within the excavation was inspected for staining. Any stressed vegetation in the area of the tank was noted.*
- * *One soil sample was collected from the excavation floor for subcontracted laboratory analysis of lead using EPA Method 7421.*

Piping closure

- * *In-service piping located within the excavation was removed during closure.*
- * *Horizontal soil screening distances along the piping did not exceed 20 feet and soils were screened vertically to 2 feet below the product piping.*

No evidence of stressed vegetation or soil staining was observed on the grass adjacent to the tank. Excessively contaminated soil, as defined by Chapter 62-770.200(2) was not identified by screening during the tank closure within the tank excavation or below the product piping. The soil sample from the floor of the tank excavation contained a concentration of 1.3 milligrams per kilogram (mg/Kg) of lead. Copies of the analytical report is attached.

Attachments

Tables

Organic Vapor Analysis Procedure

G. B. Robbins, Inc.

Soil screening for petroleum contaminated soils is performed using a Foxboro Century 128 Organic Vapor Analyzer equipped with a flame ionization detector (OVA-FID). The OVA-FID is calibrated prior to use with a methane standard calibration gas manufactured by Alphagaz/Liquid Air, Cambridge, Md.

Soil samples are collected above the water table and are screened, according to Chapter 62-770.200(2), Florida Administrative Code (FAC), as follows:

"... This reading shall be obtained on an organic vapor analysis instrument equipped with a flame ionization detector in the survey mode upon sampling the headspace in a half filled 16-ounce soil jar. The soil sample shall be brought to a temperature of between 20 degrees celsius and 32 degrees celsius and sampled five minutes thereafter. Analytical instruments shall be calibrated in accordance with the manufacturer's instructions."

Soil screening results are corrected for ambient methane by use of an activated charcoal filter. Reported results include both uncorrected and corrected data.

Table 1**OVA-FID SCREENING RESULTS -Tank # 425****PAGE 1 of 2**

Sample No.	Sample Location	Depth ft - bls	Without Filter ppm	With Filter ppm	Corrected ppm	Notes
1	North	2	0	-	0	No odor
2	East of tank	2	0	-	0	No odor
3	South of tank	2	0	-	0	No odor
4	West of tank	2	0	-	0	No odor
5	piping	2.5	0	-	0	No odor
6	Piping	2.5	0	-	0	No odor
7	Piping	2.5	0	-	0	No odor
8	Piping	2.5	0	-	0	No odor
9	Piping	2.5	0	-	0	No odor
10	Piping	2.5	0	-	0	No odor
11	Piping	2.5	0	-	0	No odor
12	Piping	2.5	0	-	0	No odor
13	Piping	2.5	0	-	0	No odor
14	Piping - joint	2.5	0	-	0	No odor
15	Piping	2.5	0	-	0	No odor
16	Piping	2.5	0	-	0	No odor

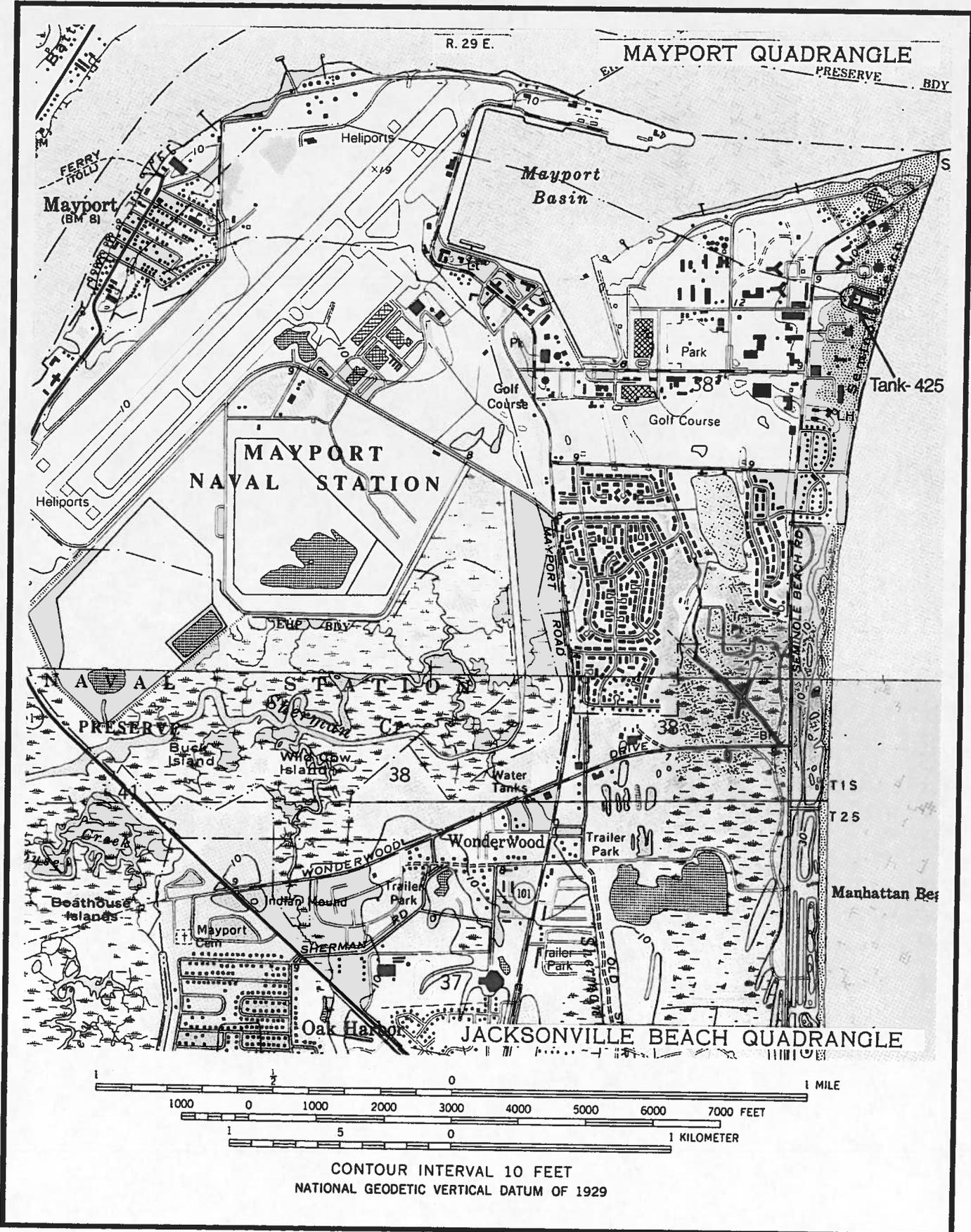
Note: samples were collected from 2 feet below the product piping.

Table 1 continued
OVA-FID SCREENING RESULTS -Tank # 425

Sample No.	Sample Location	Depth ft - bls	Without Filter ppm	With Filter ppm	Corrected ppm	Notes
17	Piping	2.5	0	-	0	No odor
18	Piping - in bushes	2.5	0	-	0	No odor
19	Piping	2.5	0	-	0	No odor
20	Piping	2.5	0	-	0	No odor
21	Piping	2.5	0	-	0	No odor
22	Piping	2.5	0	-	0	No odor
23	Piping	2.5	0	-	0	No odor
24	Piping	2.5	0	-	0	No odor
25	Piping - under concrete walk	2.5	0	-	0	No odor

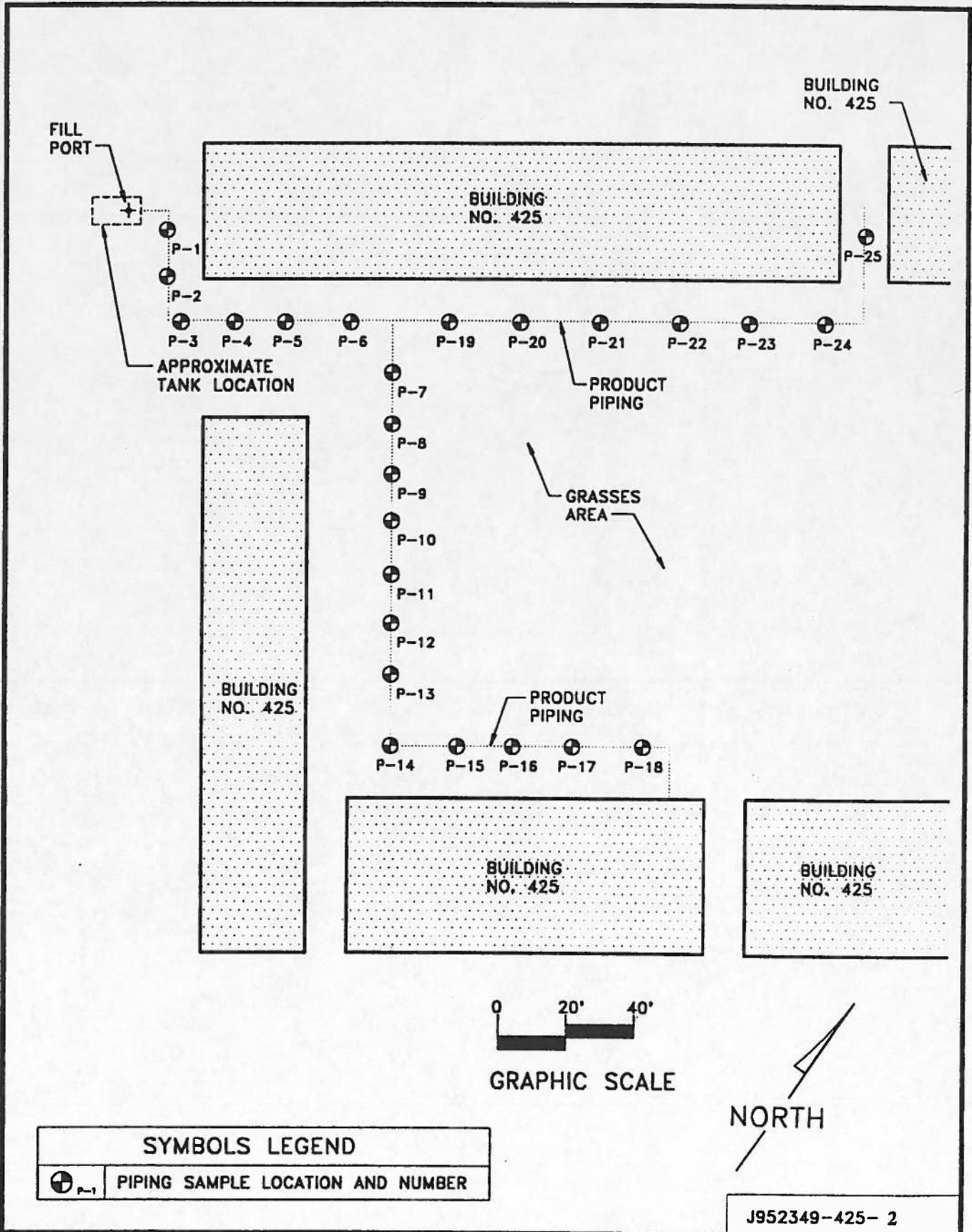
Note: samples were collected from 2 feet below the product piping.

Figures



MAYPORT NAVAL STATION
MAYPORT, FLORIDA

FIGURE 1
SITE LOCATION



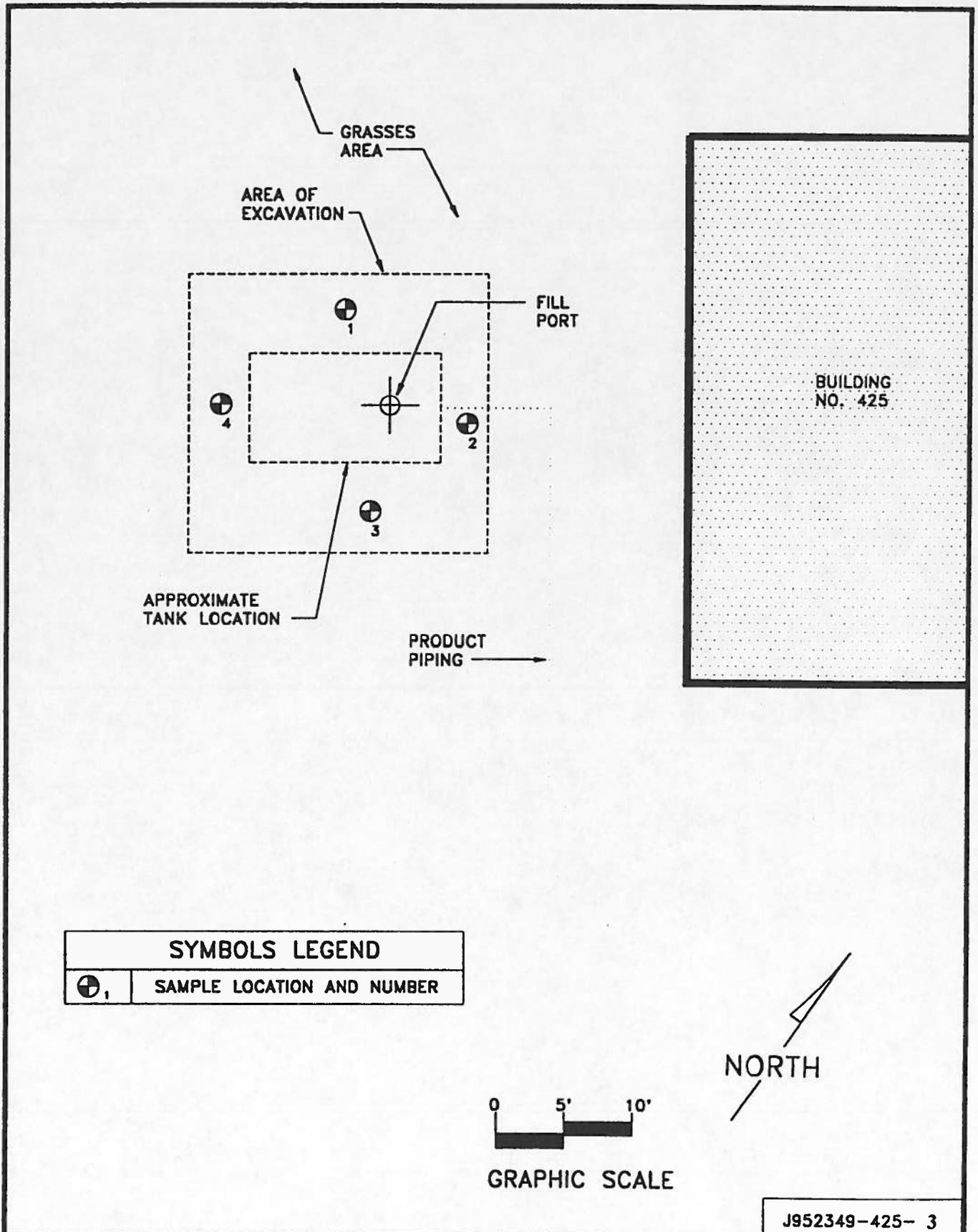
SYMBOLS LEGEND	
	PIPING SAMPLE LOCATION AND NUMBER

J952349-425- 2

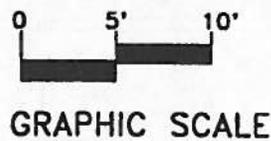


MAYPORT NAVAL STATION
MAYPORT, FLORIDA

TANK 425
FIGURE 2
TANK AND PIPING
LOCATION



SYMBOLS LEGEND	
⊕ ₁	SAMPLE LOCATION AND NUMBER



J952349-425- 3



MAYPORT NAVAL STATION
MAYPORT, FLORIDA

TANK 425
FIGURE 3
SAMPLE LOCATION AND
AREA OF EXCAVATION

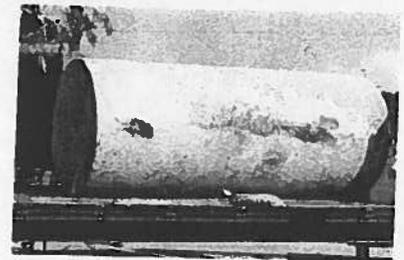
Photographs



View to east. Piping is being exposed for closure assessment



Excavation after tank removal



Tank bottom

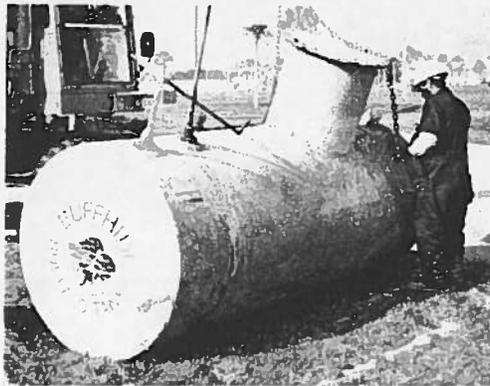


West end of tank

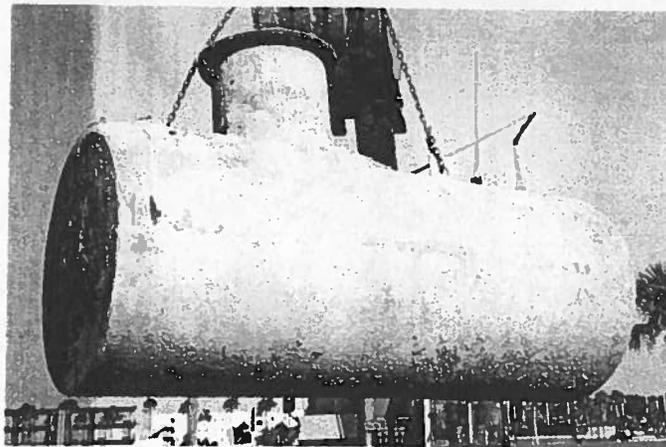
Tank 425



View to southeast. Tank 425 being removed



North side and east end of tank



South side of tank

Soil Analytical Results

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11880

Received: 27 JUN 95

Mr. Phillip Giuliani
MEI, Minority Enterprises, Inc.
8351 Leesburg Pike
Vienna VA 22182

CC: Ms. G.B. Robbins

Project: DACA 17-94-C-0084
Sampled By: Client

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES					DATE/ TIME SAMPLED
11880-1	Tank No. 1613					
11880-2	425					06-13-95/1140
11880-3	1865					06-23-95/0945
11880-4	353					06-19-95/1430
11880-5	1866					06-23-95/1015 06-19-95/1230
PARAMETER	11880-1	11880-2	11880-3	11880-4	11880-5	
Lead (7421)						
Lead (7421), mg/kg dw	4.2	1.3	3.4	0.66	1.3	
Prep or Extraction Date	06.28.95	06.28.95	06.28.95	06.28.95	06.28.95	
Date Analyzed	06.29.95	06.29.95	06.29.95	06.29.95	06.29.95	
Percent Solids, %	87 %	79 %	62 %	84 %	78 %	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11880

Received: 27 JUN 95

Mr. Phillip Giuliani
MEI, Minority Enterprises, Inc.
8351 Leesburg Pike
Vienna VA 22182

CC: Ms. G.B. Robbins

Project: DACA 17-94-C-0084
Sampled By: Client

REPORT OF RESULTS

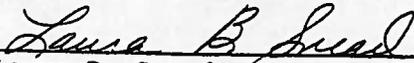
Page 3

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID			
11880-10	Method Blank			
11880-11	Accuracy (% Recovery)			
11880-12	Precision (% RPD)			
PARAMETER		11880-10	11880-11	11880-12
Lead (7421)				
Lead (7421), mg/kg dw		<0.50	92 %	3.2 %
Prep or Extraction Date		06.28.95	06.28.95	---
Date Analyzed		06.29.95	06.29.95	---

Method: EPA SW-846

HRS Certification #s:81291,E81005

FDEP CompQAP No. 890142G


Laura B. Snead

Final Page Of Report

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
 Phone: (904) 878-3994
 Phone: (305) 421-7400
 Phone: (334) 666-6633
 Phone: (813) 885-7427
 Phone: (504) 764-1100

5102 LaRoche Avenue, Savannah, GA 31404
 2846 Industrial Plaza Drive, Tallahassee, FL 32301
 414 SW 12th Avenue, Deerfield Beach, FL 33442
 900 Lakeside Drive, Mobile, AL 36693
 6712 Benjamin Road, Suite 100, Tampa, FL 33634
 110 Alpha Drive, Destrehan, LA 70047

Fax: (912) 352-0165
 Fax: (904) 878-9504
 Fax: (305) 421-2584
 Fax: (334) 666-6696
 Fax: (813) 885-7049
 Fax: (504) 725-1163

PROJECT REFERENCE DACA-17-94-C-0084		PROJECT NO.	P.O. NUMBER		
PROJECT LOC. (State) FL	SAMPLER(S) NAME GAR/DUPLEN	PHONE 904 249 0063	FAX 249 0063		
CLIENT NAME M E-I	CLIENT PROJECT MANAGER Phil Guiliani				
CLIENT ADDRESS (CITY, STATE, ZIP) Next to Bldg 1267, Mayport, FL 32227					
SAMPLE	DATE	TIME	SL NO.	SAMPLE IDENTIFICATION	REMARKS
	6/17/95	1140		Teak No. 1613	
	6/23/95	945		425	
	6/19/95	1430		1865	
	6/23/95	1015		353	
	6/19/95	1230		1866	
	6/21/95	1130		1388	
	6/01/95	530p		437	
	6/26/95	1300		349A	
	6/26/95	1330		349 B	
EVA					

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>Edolph Knight</i>	DATE 6/27/95	TIME 0930	CUSTODY SEAL NO. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	SL LOG NO. T511880	LABORATORY REMARKS:
RECEIVED BY: (SIGNATURE) <i>Phil Guiliani</i>	DATE 5/2/95	TIME 1600	RELINQUISHED BY: (SIGNATURE) <i>MSL</i>	DATE 6/26/95	TIME 1600
	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

ORIGINAL

Tank Disposal Receipt

The tank disposal receipt will be provided to the Army Corps of Engineers by MEI, Inc. under separate cover.

Permits

MEI

Environmental Svcs.

MAIN OFFICE:

2136 Gallows Road
Suite H
Dunn Loring, VA 22027
703-207-0500
703-207-3981(fax)

FIELD OFFICE:

Next to Bldg. 1267
Naval Station Mayport
Mayport, FL 32227
904-249-0024
904-249-0063(fax)

January 19, 1995

Duval Cty Reg & Bioenv Svcs
Water Quality Division
421 W. Church Street Suite 412
Jacksonville, FL 32203

ATTN: Lewis Shields

RE : DACA17-94-C-0084 Remove/Replace Fuel Storage Tanks, Mayport
Naval Station, FL

SUB: Mayport Naval Station DER FAC ID#168626008
MEI PCC053987

Dear Mr. Shields:

We are hereby giving our notification for the closure, replacement and/or upgrade of the various storage tank systems on the above stated project. Enclosed you will find page C-2 of the Contract Plans and page 3 of the Contract Specifications section 00010, "Description of Work", which show the action required for each tank, as well as the schedule of priority.

Pursuant to our telephone conversation on January 6, MEI will commence work during the week of February 6, 1995. An estimated completion time would fall between four to six months thereafter. The required Tank Registration Forms are being generated and will be forthcoming.

MEI letter of 01-19-95
(cont'd)

In order to further discuss the schedule of work and the procedural details, we would like to meet at your convenience. Please call us at our office trailer number, 904-249-0024.

Sincerely


Phillip W. Giuliani

encl.

cc: DER/Stg Tank Reg Section & Bureau of Waste Cleanup
2600 Blair Stone Road
Tallahassee, FL 32399-2400

DER/Stg Tank Prgm, NE District
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256-7577

Rebull & Associates
P.O. Box 85
Arlington, VA 22210-0085

Z 750 176 609



**Receipt for
Certified Mail**

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to LEVISHIELDS 46 DWALCTY REG- BIDEN, SIC: WATER QUAL DIV	
Street and No. 421 W. Church St # 412	
P.O., State and ZIP Code Jacksonville FL 32203	
Postage	\$ 55
Certified Fee	110
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	110
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 275
Postmark or Date 	

PS Form 3800, March 1993

Z 750 176 610



**Receipt for
Certified Mail**

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to DER/STG TANK REG. SEC	
Street and No. 2600 BLAIR STONE RD	
P.O., State and ZIP Code TALLAHASSEE, FL 32399-2400	
Postage	\$ 55
Certified Fee	110
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	110
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 275
Postmark or Date 	

PS Form 3800, March 1993

Title of Project:

**Remove/Replace Fuel Storage Tanks
Naval Station Mayport
Mayport, Florida**

Description of Work:

The project consists of furnishing all materials, labor, tools, equipment, utilities, water and fuel supply, vehicular transportation, manifests, certificates, licenses, permits, and all necessary incidental services meeting all Federal, State, and local requirements to remove, close-in-place, upgrade, dismantle, temporarily store, purge, clean, haul, and dispose of underground and aboveground storage tanks, tank contents, and ancillary equipment. The project involves 48 underground storage tanks and 7 aboveground storage tanks. Work shall include: (I) closure in place of six (6) underground tanks; (II) removal only of five (5) underground tanks; (III) removal and replacement of thirty-six (36) underground tanks; (IV) the upgrading of one (1) underground storage tank; (V) the removal only of three (3) aboveground storage tanks; (VI) the removal and replacement of two (2) aboveground storage tanks; (VII) the upgrading of two (2) aboveground storage tanks; and (VIII) the restoration of tank sites to original lines and grades.

Additional remediation at the site may also be required if soil and/or groundwater contamination is detected after all of the tanks and structures are removed.

The Contractor shall be an authorized Florida Pollutant Storage System Specialty Contractor (PSSSC) licensed by the Florida Department of Professional Regulation (FDPR). All subcontractors or individuals performing soil and groundwater sampling must have an approved generic quality assurance plan on file with the Florida Department of Environmental Protection (FDEP). In addition, only laboratories that have a generic quality assurance plan approved by FDEP may be used to analyze soil and groundwater samples. LICENSING AND CERTIFICATION PROOF REQUIRED WITHIN 5 DAYS AFTER BID OPENING. Contractor's analytical laboratory must be validated by the Corps of Engineers' Missouri River Division. Proof of validation must be furnished prior to issuance of Notice to Proceed. All persons entering the work site must have current OSHA Hazardous Material Health and Safety annual training as per 29 CFR Part 1910.120. The contract shall require personnel specialized in removal and disposal of underground storage tanks as well as minor construction workers. The Contractor must obtain security clearance from the Mayport Naval Station and abide by Station regulations as put forth in SECTION 01010, Paragraph 6, CONTRACTOR ACCESS AND USE OF PREMISES.

SCHEDULE OF PRIORITY 1 TANKS

FACILITY NUMBER	CAPACITY (GALLON)	MOST RECENT CONTENTS	YEAR INSTALLED	TYPE OF CONSTRUCTION	ACTION	REMARKS	DWG NC	BIC TEM
6	100,000	DIESEL	1950	CONCRETE UST	CLOSE		C-3	0001
6 A	940	DIESEL	1950	STEEL UST	REMOVE		C-3	0001
83	25,000	GASOLINE	1950	STEEL UST	CLOSE		C-3	0001
84	25,000	GASOLINE	1950	STEEL UST	CLOSE		C-3	0001
85	10,000	GASOLINE	1950	STEEL UST	CLOSE		C-3	0001
90	100	FUEL OIL	UNKNOWN	STEEL UST	REMOVE	(2) (4)	C-4	0001
349 A	1,000	GASOLINE	1966	STEEL UST	REPLACE	(3)	C-5	0001
349 B	1,000	DIESEL	1966	STEEL UST	REPLACE	(3)	C-5	0001
349 C	350	FUEL OIL	1975	STEEL UST	REPLACE		C-5	0001
365	500	FUEL OIL	1965	STEEL UST	REPLACE	(2)	C-6	0001
J-365	300	DIESEL	1965	STEEL UST	UPGRADE	(1)	C-6	0001
436	550	DIESEL	1969	STEEL UST	REPLACE	(4)	C-7	0001
G-436	1,000	FUEL OIL	1969	STEEL UST	REPLACE	(2) (4)	C-7	0001
1342	550	WASTE OIL	1975	STEEL UST	REPLACE		C-9	0001
1363	2,500	DIESEL	1975	STEEL UST	REPLACE		C-10	0001
G-1363	7,500	FUEL OIL	1974	STEEL UST	REPLACE		C-10	0001
1417	1,000	WASTE OIL	1981	STEEL UST	REPLACE	(2) (4)	C-11	0001
1488	20,000	FUEL OIL	1981	STEEL UST	REPLACE	(2)	C-12	0001
1488-B	1,500	FUEL OIL	1979	STEEL UST	REMOVE		C-12	0001
1512	1,000	WASTE OIL	1980	STEEL UST	REPLACE		C-13	0001
1515	1,000	WASTE OIL	1980	STEEL UST	REPLACE	(2)	C-14	0001
G-1552	4,000	DIESEL	1983	STEEL UST	REPLACE	(2)	C-15	0001
G-1591	550	DIESEL	1984	STEEL UST	REPLACE	(2)	C-16	0001
1555	5,000	FUEL OIL	1983	STEEL UST	REPLACE		C-20	0001
1613	100	WASTE OIL	1984	FIBERGLASS UST	REPLACE		C-17	0001
1864	270	WASTE OIL	1984	STEEL UST	REPLACE		C-18	0001
1865	150	WASTE OIL	1984	STEEL UST	REPLACE	(2) (4)	C-19	0001
1866	500	WASTE OIL	1983	STEEL UST	REPLACE		C-20	0001
1587	4,000	WASTE OIL	1980	STEEL UST	REPLACE		C-37	0001
1556-B	250	WASTE OIL	1984	STEEL UST	REPLACE		C-38	0001

GENERAL NOTES

- △ 1 COMPLETE ALL WORK ON PRIORITY 1 TANKS PRIOR TO BEGINNING ANY WORK ON PRIORITY 2 TANKS. THE CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO FIVE TANK LOCATIONS. UNLESS OTHERWISE APPROVED, PERMISSION TO WORK AT MORE THAN FIVE LOCATIONS SHALL BE DEPENDENT ON THE CONTRACTOR'S PRODUCTION CAPABILITIES AND TIMELY COMPLETION OF WORK AT INDIVIDUAL SITES.
- 2 EXISTING PIPING GASKETS MAY CONTAIN ASBESTOS.
- 3 EXISTING UTILITIES HAVE BEEN SHOWN TO THE EXTENT KNOWN AND AS DISCOVERED IN THE PREPARATION OF THE CONSTRUCTION DOCUMENTS. THE LOCATIONS OF EXISTING UTILITIES IS APPROXIMATE AND PROVIDED FOR INFORMATION PURPOSES ONLY. NO GUARANTEE AS TO THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES IS MADE. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES DURING THE COURSE OF THE PROJECT.
- 4 NO DISRUPTION OF SERVICE OF ANY UTILITY WILL BE ALLOWED WITHOUT THE PRIOR WRITTEN CONSENT OF THE CONTRACTING OFFICER.
- △ 5 FUEL TANKS. THE CONTRACTOR SHALL PROVIDE TEMPORARY FUEL TANKS, PIPING AND PUMPS AS REQUIRED TO MAINTAIN FUEL SUPPLIES TO EXISTING FACILITIES. NO FACILITY MAY BE DISCONNECTED FROM ITS FUEL SUPPLY WITHOUT PRIOR APPROVAL OF THE CONTRACTING OFFICER. CONTRACTOR SHALL ENSURE THAT TEMPORARY EQUIPMENT IS CAPABLE OF MAINTAINING PROPER FUEL SUPPLY TO EQUIPMENT. CONTRACTOR SHALL ALSO ENSURE THAT CONTAINMENT FOR ALL TEMPORARY PUMPS, PIPING AND EQUIPMENT IS PROVIDED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION.
- 6 WASTE OIL TANKS. PRIOR TO REMOVAL OF ANY WASTE OIL TANK, THE CONTRACTOR SHALL PUMP OUT THE EXISTING OIL/WATER SEPARATORS TO REDUCE THE POSSIBILITY OF DISCHARGE WHILE THE EXISTING WASTE OIL TANKS ARE BEING REMOVED. THE CONTRACTOR SHALL ALSO PROVIDE PERSONNEL AND EQUIPMENT TO PUMP OUT OIL/WATER SEPARATORS AS REQUIRED BY FACILITY OPERATIONS. DURING THE TANK REMOVAL/REPLACEMENT OPERATION IN ORDER TO ELIMINATE DISCHARGE FROM THE SEPARATORS.
- △ 7 OILY WATER FROM OIL/WATER SEPARATORS MAY BE DISPOSED OF IN THE BASE OILY/WATER SYSTEM, WITH THE APPROVAL OF THE CONTRACTING OFFICER. OILY WATER SHALL BE FILTERED TO REMOVE LARGE OBJECTS IN ACCORDANCE WITH STATION REGULATIONS. FILTER REQUIREMENTS TO BE PROVIDED BY STATION.
- 8 ALL EXCAVATIONS FOR REMOVAL OF TANKS SHALL BE BACKFILLED WITH COMPACTED MATERIALS TO A LEVEL WHICH MATCHES ADJACENT ELEVATIONS.
- 9 WHERE EXISTING PAVEMENT IS SHOWN TO BE REMOVED, PAVEMENT SHALL BE REPLACED AS INDICATED IN TYPICAL DETAILS.
- 10 THE CONTRACTOR SHALL PROVIDE BARRICADES AND WARNING LIGHTS, AS REQUIRED BY THE CONTRACTING OFFICER, TO WARN VEHICULAR AND PEDESTRIAN TRAFFIC OF OPEN EXCAVATIONS AND CONSTRUCTION AREAS.
- △ 11 ALL WORK TO BE DONE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION.
- △ 12 THE CONTRACTOR SHALL PROVIDE A NEW GATE VALVE BETWEEN NEW FUEL PIPING AND EXISTING FUEL PIPING AT ALL LOCATIONS EXCLUDING WASTE OIL TANKS. SEE TYP DETAIL DWG C-49.

SAFETY ON THIS JOB
DEPENDS ON YOU

NO.		SYMBOL	ZONE	DESCRIPTION
1	Δ			EDITORIAL CHANGES REVISED NOTES, AMENDMENT 0001

SCHEDULE OF PRIORITY 2 TANKS								
FACILITY NUMBER	CAPACITY (GALLON)	MOST RECENT CONTENTS	YEAR INSTALLED	TYPE OF CONSTRUCTION	ACTION	REMARKS	DWG. NO.	BID ITEM
53	200	FUEL OIL	1942	STEEL AST	UPGRADE	①	C-42	0010
164	100	DIESEL	1988	STEEL AST	REMOVE		C-21	0010
191-A	6000	FUEL OIL	1987	FIBERGLASS UST	UPGRADE		C-22	0010
210	300	FUEL OIL	1960	STEEL AST	REMOVE		C-21	0010
242	2,000	FUEL OIL	1962	STEEL UST	REPLACE		C-23	0002
243	2,000	FUEL OIL	1962	STEEL UST	REPLACE		C-24	0002
245	2,000	FUEL OIL	1962	STEEL UST	REPLACE	②	C-25	0002
264	250	FUEL OIL	1961	STEEL UST	REMOVE		C-26	0002
350	1,000	FUEL OIL	1965	STEEL UST	REPLACE	②	C-27	0002
351	2,000	FUEL OIL	1981	STEEL UST	CLOSE		C-28	0009
353	2,000	FUEL OIL	1963	STEEL UST	CLOSE		C-38	0010
413	560	FUEL OIL	1972	STEEL UST	REPLACE		C-30	0010
425	1,000	FUEL OIL	1968	STEEL UST	REPLACE		C-31	0009
448-A	1,000	FUEL OIL	1969	STEEL UST	REPLACE		C-32	0010
448-B	1,000	FUEL OIL	1984	STEEL UST	REPLACE		C-32	0010
451	4,000	FUEL OIL	1969	STEEL UST	REPLACE		C-33	0009
1267	1,000	FUEL OIL	1973	STEEL UST	REMOVE		C-34	0010
1326 -	550	FUEL OIL	1978	STEEL AST	REPLACE		C-41	0010
1333	1,500	FUEL OIL	1981	STEEL UST	REPLACE		C-35	0010
1343	10,000	FUEL OIL	1960	STEEL UST	REPLACE	②	C-36	0009
1380	8,000	UNKNOWN	1982	STEEL AST	REMOVE		C-4	0010
1388	1,000	FUEL OIL	1977	STEEL UST	REPLACE	②	C-28	0009
1397	2,000	FUEL OIL	1977	STEEL UST	REPLACE	②	C-40	0009
1556-A	1,000	FUEL OIL	1984	STEEL UST	REPLACE		C-39	0010
437	1000	DIESEL	1969	STEEL UST	REPLACE		C-8	0009

REMARKS

- ① RELOCATE TANK AND PROVIDE SECONDARY CONTAINMENT
- ② SHORE EXCAVATION DURING TANK REMOVAL TO MINIMIZE EXCAVATION AND PROTECT EXIST STRUCTURES, EQUIPMENT AND PLANTS.
- ③ PROVIDE FUEL DISPENSERS
- Δ ④ OBTAIN PERMISSION PRIOR TO ENTERING AREA OF THE BASE
- Δ ⑤ PROVIDE TEMPORARY FENCES AND SECURITY FOR ALL AREAS WHERE EXISTING FENCES MUST BE REMOVED FOR CONSTRUCTION PURPOSES

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
NAVYPORT NAVAL STATION
NAVYPORT, FLORIDA
REMOVE/REPLACE FUEL STORAGE TANKS
SCHEDULE AND NOTES

DESIGN ENG
TMT
6/20/88