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NAS KEY WEST  
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CLOSURE ASSESSMENT FOR UNDERGROUND STORAGE TANK 3 AT HARRY S TRUMAN  
ANIMAL IMPORT CENTER NAS KEY WEST FL  
3/1/1999  
NAVY PUBLIC WORKS CENTER

**CLOSURE ASSESSMENT**  
**UNDERGROUND STORAGE TANK**  
**TANK #3**

**ANIMAL IMPORT CENTER**  
**FLEMING KEY, FLORIDA**

**Prepared by:**

**Navy Public Works Center**  
**Engineering Department (Code 423.3)**  
**310 John Tower Road**  
**Pensacola, Florida, 32508**

**Prepared for:**

**United States Department of Agriculture**  
**Animal and Plant Health Inspection Service**  
**4700 River Road, Unit 115**  
**Riverdale, Maryland 20737**

**Mr Don Walden**  
**Engineer**

**February 1999**

**CLOSURE ASSESSMENT**  
**UNDERGROUND STORAGE TANK**  
**TANK #3**

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**United States Department of Agriculture**  
**Harry S. Truman, Animal Import Center**  
**Fleming Key, Florida**

**Mr Phil Farmer**  
**Manager**

**February 1999**

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## ACRONYMS

<b>APHIS</b>	<b>Animal and Plant Health Inspection Service</b>
<b>API</b>	<b>American Petroleum Institute</b>
<b>AST</b>	<b>Aboveground Storage Tank</b>
<b>CFR</b>	<b>Code of Federal Regulations</b>
<b>DRMO</b>	<b>Defense Reutilization and Marketing Office</b>
<b>EPA</b>	<b>Environmental Protection Agency</b>
<b>FAC</b>	<b>Florida Administrative Code</b>
<b>FDEP</b>	<b>Florida Department of Environmental Protection</b>
<b>HSTAIC</b>	<b>Harry S. Truman Animal Import Center</b>
<b>OVA</b>	<b>Organic Vapor Analyzer</b>
<b>PWC</b>	<b>Public Works Center, Pensacola, Florida</b>
<b>USDA</b>	<b>United States Department of Agriculture</b>
<b>UST</b>	<b>Underground Storage Tank</b>

**CLOSURE ASSESSMENT REPORT**  
**UNDERGROUND STORAGE TANK**  
**TANK #3**

**1.0 Facility**

Harry S. Truman Animal Import Center  
Fleming Key, Monroe County, Florida

**2.0 Operator**

United States Department of Agriculture  
Harry S. Truman Animal Import Center  
Post Office Box 4120  
Key West, Florida 33041

**3.0 Site Location**

The Harry S. Truman Animal Import Center (HSTAIC) is located near the northern tip of Fleming Key near Key West, Florida (Figure 1). The site is located near the southwest corner of the facility.

**4.0 Date of Closure**

15 December 1998

**5.0 Project Description**

The Navy Public Works Center (PWC), Pensacola, Florida was tasked by the Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), Riverdale, Maryland to remove and properly close an 8000 gallon underground storage tank (UST) system located near the southwest corner of the Harry S. Truman Animal Import Center (HSTAIC), Fleming Key, Florida. The UST was removed, cleaned, and rendered unusable by PWC in accordance with the requirements of the American Petroleum Institute (API) Standard 1604. Photographs of the removal are presented in Attachment A. The UST was demolished by PWC and properly disposed by Browning Ferris, Inc. (BFI), Key West, Florida (Attachment B).

The Storage Tank Registration Form, Application for Closure of Pollutant Storage Tank System, Underground Storage Tank Installation and Removal Form, Closure Assessment Form, and Certificate of Decontamination are provided in Attachments C, D, E, F, and G respectively.

**6.0 Tank Contents**

The UST was used to store diesel for emergency generator operation. The contents of the UST were emptied by PWC and properly disposed by Atlantic Industrial Services, Inc, Pompano Beach, Florida (Attachment B).

The UST was emptied and cleaned in accordance with the applicable requirements of the API Standards 1604 and 2015 and as defined in 40 CFR 261.7. The rinsate from the cleaning operation was properly disposed by Atlantic Industrial Services, Inc. (Attachment B).

### **7.0 Tank Condition**

The UST was constructed of double-walled, fiberglass. The UST system was in good condition at the time of removal. There were no holes, signs of corrosion, or any other damage noted.

### **8.0 Excavation Area**

The size of the excavation, was approximately twelve (12) feet wide by twenty-six (26) feet long and ten (10) feet deep. The excavation was filled with clean fill and compacted to grade.

### **9.0 Soil Screening**

Six (6) soil samples were extracted from around the UST system. The samples were collected from the excavator bucket with a stainless steel trowel. The soil samples were collected and screened for organic vapor concentrations using the headspace screening technique. The soil samples were extracted at each corner and beneath the center of the UST above the vadose zone. The soil boring locations and screening results are presented in Attachment F.

The soil screening was conducted in accordance with the headspace screening criteria in Chapter 62-770 of the Florida Administrative Code (FAC) using an organic vapor analyzer (OVA). The OVA was manufactured by Thermo Environmental Instruments, Inc (Model 680 HVM) and equipped with a flame ionization detector (FID).

### **10.0 Groundwater Analysis**

A temporary groundwater monitoring well was installed on 30 December 1998 by GFA International Inc., Sarasota, Florida. The well was constructed with a 2" diameter by 13 foot long, Schedule 40 polyvinyl chloride (PVC) riser pipe. The riser was equipped with a ten foot long by 0.010 inch slotted screen. The well was constructed with a coarse silica sand filter and a bentonite seal. The top of the well was encased with concrete and equipped with a lock and a steel cover. The well location and well construction diagram are provided in Attachment F.

The well was sampled by PWC on 9 January 1999. The samples were transported to the PWC Laboratory in Pensacola, Florida and analyzed for volatile content in accordance with Environmental Protection Agency (EPA) Method 8260 and for polycyclic aromatic hydrocarbon (PAH) content accordance with EPA Method 8270. The samples were collected and the laboratory analyses performed in accordance with PWC's Comprehensive Quality Assurance Plan (FDEP #920121G). The groundwater analyses are provided in Attachment F.

## **11.0 Conclusions**

There were no indications of petroleum contamination noted above the state target levels for storage tank closures.

## **12.0 Recommendations**

This site is recommended for No Further Action.

## **13.0 Closure Assessment**

Performed by the Navy Public Works Center (PWC) Pensacola, Florida.

## **14.0 Project Manager**

Paul R. Semmes, P.E.

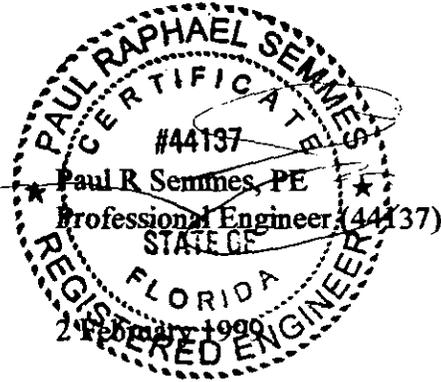
## **15.0 Project Number**

1856002

## **16.0 Report Date**

2 February 1999

The engineering evaluations and professional opinions rendered in this Closure Assessment that describes the work performed during the storage tank system removal at the Harry S. Truman, Animal Import Center, Fleming Key, Florida, were conducted or developed in accordance with commonly accepted procedures consistent with applicable standards of practice. If conditions are determined to exist differently than those described, the undersigned professional engineer should be notified to evaluate the effects of any additional information on the information described in this report.



# FIGURES

**Figure 1**  
**Vicinity Map**

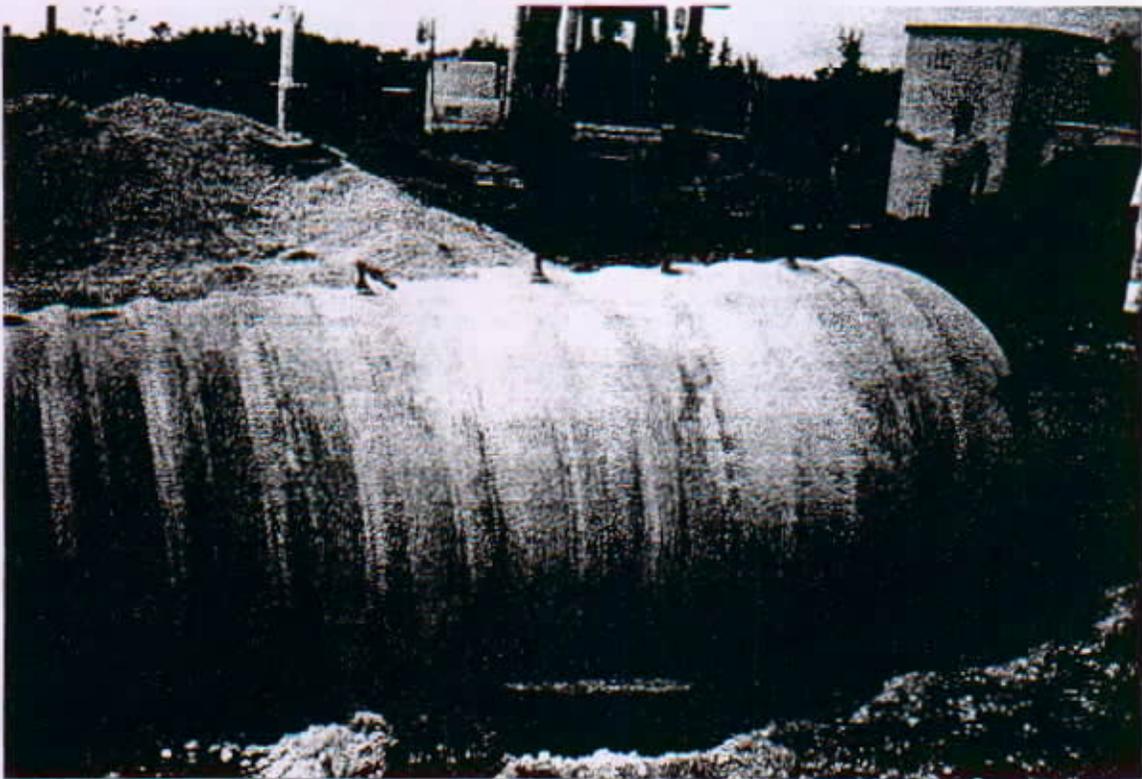
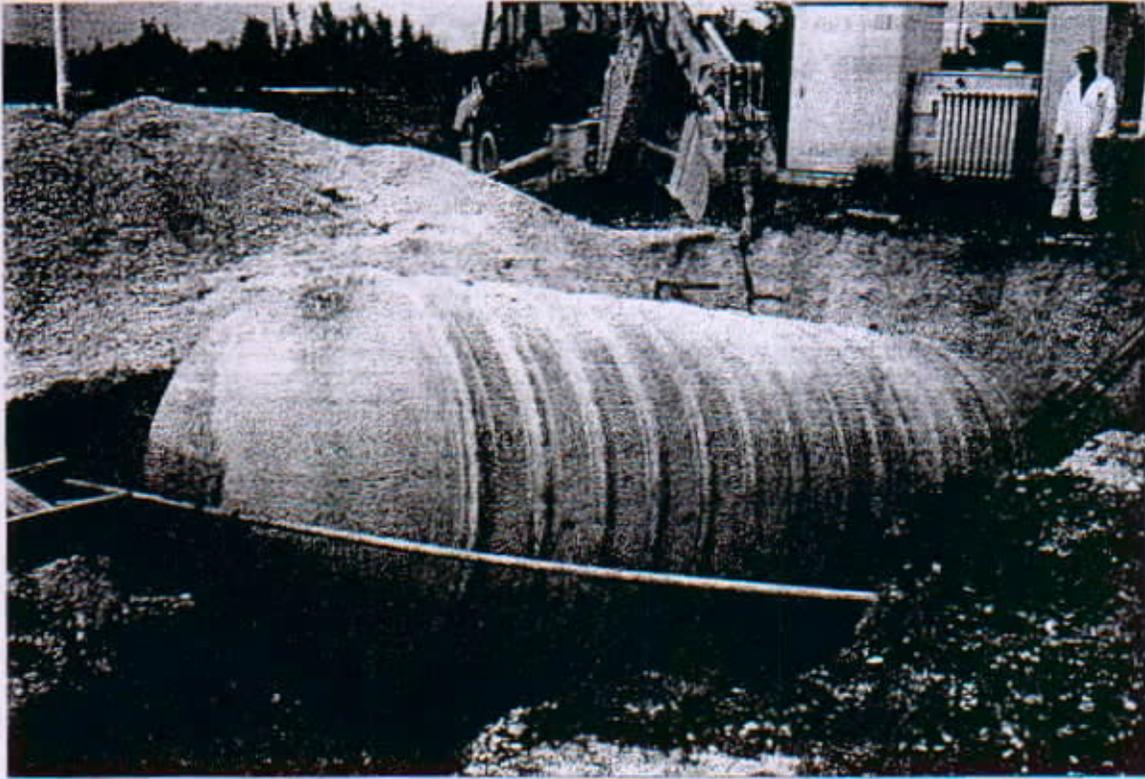


**Figure 2**  
**Site Map**



# **ATTACHMENTS**

**Attachment A**  
**Photographs**



**Attachment B**  
**Disposal Documents**



**Atlantic**  
Industrial Services, Inc.  
"Recycling Made To Order"

# Atlantic Industrial Services, Inc.

1400 N. W. 13th Avenue  
Pompano Beach, Florida 33069

(954) 971-9010  
(800) 940-6155  
Fax (954) 971-7551  
www.usedoil.com

## INDUSTRIAL WASTE MATERIALS TRANSPORTERS MANIFEST

ONLY NON-HAZARDOUS MIXTURES ACCEPTED - READ BOTTOM OF MANIFEST

1. Generator's Name and Mailing Address <b>CANARY Key West - Tampa Port Annex</b> <b>2500 West FL 33040</b>		A. Manifest # <b>106534</b>	
2. Generator's Phone <b>852-325-3225</b> County of Origin <b>Monroe</b>		B. Generator's ID # EPA <b>FL 2170024473</b> STATE	
3. Transporter 1 Company Name <b>Atlantic Industrial Services, Inc.</b>		C. State Transporter's ID <b>FLD 984247882</b>	
4. US EPA ID Number <b>FLD 984247882</b>		D. Dade County D.E.R.M. <b>WO 98-287-000</b> <b>RF 98-288-000</b>	
5. Designated Facility Name & Address <b>Atlantic Industrial Services Inc</b> <b>1400 N. W. 13th Avenue</b> <b>Pompano Beach, FL 33069</b>		E. Broward County D.N.R.P. <input type="checkbox"/> 352 <input type="checkbox"/> 354 <input type="checkbox"/> 355 <input type="checkbox"/> 402 <input type="checkbox"/> 455 <input type="checkbox"/> 559 <input type="checkbox"/> 560 <input type="checkbox"/> 628 <input checked="" type="checkbox"/> 783 <input type="checkbox"/> 835 <input type="checkbox"/> 916 <input type="checkbox"/>	
6. Brow. Co. Facility Lic. # <b>HTS-024-97</b>		7. Final Product Destination <b>SB8 #13</b>	
7. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		8. Containers	9. Total
		No.	Quantity
		Type	Unit
			Wt./Vol
			G. CHARGES
a. <input checked="" type="checkbox"/> <b>Combustible Liquid, n.o.s. Packing Group III (Contains Petroleum Distillate's Destined for Recycling)</b> NA 1193		<input checked="" type="checkbox"/> <b>001</b>	<b>71</b>
b. <input type="checkbox"/> <b>Combustible Liquid n.o.s. Packing Group III (Contains Petroleum Distillate's Mixed with Water Destined for Recycling)</b> NA 1993			
c. <input type="checkbox"/> <b>Flammable Liquid, n.o.s. Packing Group II (Contains Petroleum Distillate's Destined for Recycling)</b> IA 1913			
d. <input type="checkbox"/> <b>Flammable Liquid, n.o.s. Packing Group II (Contains Petroleum Distillate's Mixed with Water Destined for Recycling)</b> IA 1913			
e. <input type="checkbox"/> <b>Non-Hazardous Used Oil</b>			
f. <input type="checkbox"/> <b>Other: Specify</b>			
H. Additional Descriptions for Materials Listed Above <b>(PWO 48661)</b>		<input type="checkbox"/> C.O.D. <input type="checkbox"/> Original Invoice	<input type="checkbox"/> VISA <input type="checkbox"/> AMEX <input type="checkbox"/> DMC
		<input type="checkbox"/> Mail Invoice	Total Due
<p><b>IMPORTANT: Payment due upon receipt of invoice. A service charge of 1 1/2% per month (18% annual) will be charged on balance over 30 days past due. All past due accounts subject to a minimum service charge of \$1.50 per month in the event a shall become necessary to collect the herein above described sums, or any part thereof, the purchaser agrees to pay all costs thereof, including reasonable attorney's fees.</b></p>			
11. 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. I certify that to the best of my knowledge this shipment does not contain regulated Hazardous Waste as defined in CFR 261.			
Printed/Typed Name <b>PAUL SEMME</b>		Signature <i>[Signature]</i>	Month Day Year <b>12/14/95</b>
12. Transporter 1 Acknowledgment of Receipt of Materials		Due to possible storage levels in tanks and expansion or contraction of product, Column (9) (Total Quantity) on this manifest is based upon our best approximations.	
Printed/Typed Name <b>V. R. [Signature]</b>		Signature <i>[Signature]</i>	Month Day Year <b>12/14/98</b>
13. Your waste described on this manifest is destined for recycling purposes through registered disposal facilities on file for our company at the below mentioned government agencies. <b>Florida Department of Environmental Protection (D.E.P.) - Broward County D.N.R.P. - Dade County D.E.R.M.</b>			

IN CASE OF EMERGENCY CALL 1-800-940-6155

For Accident: If Discharges of this product use Emergency Response Guidebook #128

Dear Generator: The following chemicals contain hazardous substances which when mixed with used oil reduces the recycling potential and can cause harmful effects to the environment.

DO NOT MIX WITH USED OIL  
Antifreeze - Freon - Solvents - Thinner - Degreasers - Detergents - Cleaners - Radiator Fluid - Leaded Gasoline - Cutting Oil

CAN MIX WITH USED OIL  
Motor Oils - Diesel Fuel - Grease - Brake Fluids - Hydraulic Fluids - Transmission Fluids  
These lists are based on current information and may be expanded as more data becomes available. THANK YOU.

WHITE - Generator CANARY - Transporter PINK - Facility



**Atlantic**  
Industrial Services, Inc.  
"Recycling More To Energy"

# Atlantic Industrial Services, Inc.

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(800) 940-6155  
Fax (954) 971-7551  
www.usedoil.com

## INDUSTRIAL WASTE MATERIALS TRANSPORTERS MANIFEST

**ONLY NON-HAZARDOUS MIXTURES ACCEPTED - READ BOTTOM OF MANIFEST**

1. Generator's Name and Mailing Address <b>CC. N.A.S. KEY WEST - TRUMBOLD POINT MAILEY</b> <b>PO BOX 2017 KEY WEST FL 33040</b>				A. Manifest # <b>106533</b>							
2. Generator's Phone (305) <b>302-503</b> County of Origin <b>(FL) Monroe</b>				B. Generator's ID #s EPA # <b>2135-1473</b> STATE							
3. Transporter 1 Company Name <b>Atlantic Industrial Services, Inc.</b>				4. US EPA ID Number <b>FLD 984247882</b>							
5. Designated Facility Name & Address <b>Atlantic Industrial Services Inc</b> <b>1400 N. W. 13th Avenue</b> <b>Pompano Beach, FL 33069</b>				6. Brow Co. Facility Lic # <b>HTS-024-87</b>							
7. US DOT Description (Include Proper Shipping Name, Hazard Class, and ID Number)				8. Containers		9. Total		10. Unit		G.	
				No. Type		Quantity		W/UNIT		CHARGES	
a. <input checked="" type="checkbox"/> Combustible Liquid, n.o.s. Packing Group III (Contains Petroleum Distillate's Destined for Recycling) NA 1193				X		501 TT		1,700		4 TBB	
b. <input type="checkbox"/> Combustible Liquid n.o.s. Packing Group III (Contains Petroleum Distillate's Mixed with Water Destined for Recycling) NA 1193											
c. <input type="checkbox"/> Flammable Liquid, n.o.s. Packing Group II (Contains Petroleum Distillate's Destined for Recycling) NA 1993											
d. <input type="checkbox"/> Flammable Liquid, n.o.s. Packing Group II (Contains Petroleum Distillate's Mixed with Water Destined for Recycling) NA 1993											
e. <input type="checkbox"/> Non-HAZARDOUS Used Oil											
f. <input type="checkbox"/> Other: Specify											
H. Additional Descriptions for Materials Listed Above <b>on site</b> <b>0800-1000</b> <b>(PVD # 98672)</b>				<input type="checkbox"/> C.O.D. <input type="checkbox"/> Original Invoice		<input type="checkbox"/> Cash <input type="checkbox"/> Mail Invoice		<input type="checkbox"/> VISA <input type="checkbox"/> AMEX <input type="checkbox"/> Total Due			
11. 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. I do certify that to the best of my knowledge this shipment does not consist regulated Hazardous Waste as defined in CFR 261.				Printed/Typed Name <b>X PAUL SEMMES - PWC-PENSACOLA, FL</b>		Signature 		Month Day Year <b>1/21/98</b>			
12. Transporter 1 Acknowledgment (if Receipt of Materials)				Printed/Typed Name <b>V R O Toole</b>		Signature 		Month Day Year <b>1/21/98</b>			
13. Your waste described in this manifest is destined for recycling purposes through registered disposal facilities on file for our company at the below mentioned government agencies. <b>Florida Department of Environmental Protection (D.E.P.) - Broward County D.N.R.P. - Dade County D.E.R.M.</b>											

**IN CASE OF EMERGENCY CALL 1-800-940-6155**

**For Accidental Discharges of this product use Emergency Response Guidebook #128**

Dear Generator: The following chemicals contain hazardous substances which when mixed with used oil reduces the recycling potential and can cause harmful effects to the environment.

**DO NOT MIX WITH USED OIL**  
Antifreeze - Freon - Solvents - Thinner - Degreasers - Detergents - Cleaners - Radiator Fluid - Leaded Gasoline - Cutting Oil

**CAN MIX WITH USED OIL**  
Motor Oils - Diesel Fuel - Grease - Brake Fluids - Hydraulic Fluids - Transmission Fluids

These lists are based on current information and may be expanded as more data becomes available. THANK YOU.

**WHITE - Generator CANARY - Transporter PINK - Facility**

ADDRESS: USDA - FLEMING KEY REC'D: REC'D COD: REC'D

INSTRUCTIONS: - FULL & NO RETURN AUTOMATICALLY: 16-18-80

ACCT. NO: 1122952 LOC. CODE: 104 SERV. DATE: 16-18-80

TRANS. CODE: STOP 400 TRANS. DESC: 015 NBR OF HALLS: (0,1)

SYS. CODE: 010000 RTE: 015 OR CALL: Y

CONT. SIZE: 01 VOL. CODE: Y,D COMP: M OTHER CHRG: Y,D

HALL CHRG: 01 DISP CHRG: 01 VOL. CODE: Y,D

DISP COST: 01 DISP VOL: 01 ACTUAL DISP DATE: 16-18-80

DISP SITE: 01 ACTUAL DISP SITE: 01 DRIVER NBR: 01

SERV. MINUTES: 30 TRUCK NBR: 01

WASTE TYPE: 01 QTY: 01 VOL. CODE: 01 WASTE TYPE: 01 QTY: 01 VOL. CODE: 01

WASTE TYPE: 01 QTY: 01 VOL. CODE: 01 WASTE TYPE: 01 QTY: 01 VOL. CODE: 01

**BT** CUSTOMER SIGNATURE: \_\_\_\_\_ DRIVER SIGNATURE: \_\_\_\_\_  
 REC'D ONLY THROUGH BT / STANDARD REGISTER CONTRACT

LOC. NAME: NAS PUBLIC WORKS SERVICE TICKET: 13151850

ADDRESS: FLEMING KEY REC'D: REC'D COD: REC'D

INSTRUCTIONS: - FULL & NO RETURN AUTOMATICALLY: 16-18-80

ACCT. NO: 1122952 LOC. CODE: 104 SERV. DATE: 16-18-80

TRANS. CODE: STOP 400 TRANS. DESC: 015 NBR OF HALLS: (0,1)

SYS. CODE: 010000 RTE: 015 OR CALL: Y

CONT. SIZE: 01 VOL. CODE: Y,D COMP: M OTHER CHRG: Y,D

HALL CHRG: 01 DISP CHRG: 01 VOL. CODE: Y,D

DISP COST: 01 DISP VOL: 01 ACTUAL DISP DATE: 16-18-80

DISP SITE: 01 ACTUAL DISP SITE: 01 DRIVER NBR: 01

SERV. MINUTES: 104 TRUCK NBR: 01

WASTE TYPE: 01 QTY: 01 VOL. CODE: 01 WASTE TYPE: 01 QTY: 01 VOL. CODE: 01

WASTE TYPE: 01 QTY: 01 VOL. CODE: 01 WASTE TYPE: 01 QTY: 01 VOL. CODE: 01

**BT** CUSTOMER SIGNATURE: \_\_\_\_\_ DRIVER SIGNATURE: [Signature]  
 REC'D ONLY THROUGH BT / STANDARD REGISTER CONTRACT

LOC. NAME: NAS PUBLIC WORKS SERVICE TICKET: 13151852

ADDRESS: FLEMING KEY REC'D: REC'D COD: REC'D

INSTRUCTIONS: - FULL & NO RETURN AUTOMATICALLY: 16-18-80

ACCT. NO: 1122952 LOC. CODE: 104 SERV. DATE: 16-18-80

TRANS. CODE: STOP 400 TRANS. DESC: 01 NBR OF HALLS: (0,1)

SYS. CODE: 010000 RTE: 01 OR CALL: Y

CONT. SIZE: 01 VOL. CODE: Y,D COMP: M OTHER CHRG: Y,D

HALL CHRG: 01 DISP CHRG: 01 VOL. CODE: Y,D

DISP COST: 01 DISP VOL: 01 ACTUAL DISP DATE: 16-18-80

DISP SITE: 01 ACTUAL DISP SITE: 01 DRIVER NBR: 01

SERV. MINUTES: 105 TRUCK NBR: 01

WASTE TYPE: 01 QTY: 01 VOL. CODE: 01 WASTE TYPE: 01 QTY: 01 VOL. CODE: 01

WASTE TYPE: 01 QTY: 01 VOL. CODE: 01 WASTE TYPE: 01 QTY: 01 VOL. CODE: 01

**BT** CUSTOMER SIGNATURE: \_\_\_\_\_ DRIVER SIGNATURE: [Signature]  
 REC'D ONLY THROUGH BT / STANDARD REGISTER CONTRACT

**Attachment C**  
**Storage Tank**  
**Registration Form**



Florida Department of Environmental Protection  
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form # 62-761 900(2)  
Form Title Storage Tank Registration Form  
Effective Date: July 13, 1998  
DEP Application No. \_\_\_\_\_  
(Filled in by DEP)

## Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Check all that apply	<input type="checkbox"/> New Registration	<input type="checkbox"/> New Owner	<input type="checkbox"/> New Tanks
	<input type="checkbox"/> Facility Info Update/Correction	<input type="checkbox"/> Owner Info Update/Correction	<input checked="" type="checkbox"/> Tank Info Update/Correction

FACILITY INFORMATION  
County: Monroe DEP Facility ID: 44/9103622

Facility Name: US Department of Agriculture  
Facility Address: Animal Import Center City: Fleming Key Zip: 33041  
Facility Contact: Mr Ray Otero Business Phone: (305) 293-4800  
Facility Type(s): F NAICS Code: \_\_\_\_\_ Financial Responsibility: C

Hour Emergency Contact: Mr Phil Farmer Emergency Phone: (305) 295-8812

RESPONSIBLE PERSON INFORMATION - Identify individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: <u>US Department of Agriculture</u>	Facility - Responsible Person Relation Type:	Effective Date
Address: <u>4700 River Road, Unit 115</u>	<input checked="" type="checkbox"/> Facility Account Owner (pays fees)	
City, ST, Zip: <u>Riverdale, Maryland 20737</u>	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: <u>Mr Don Walden</u>	STCM Account Number (if known)	
Telephone: <u>(301) 734-4475</u>	Identify other appropriate facility relationships for this party: <input checked="" type="checkbox"/> Facility Owner/Operator <input type="checkbox"/> Property Owner <input checked="" type="checkbox"/> Storage Tank Owner	

Name:	Other owner, relationship type(s)	Effective Date
Address:	<input type="checkbox"/> Facility Owner/Operator	
City, ST, Zip:	<input type="checkbox"/> Property Owner	
Contact:	<input type="checkbox"/> Storage Tank Owner	
Telephone:	<input type="checkbox"/> Other:	

TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
#1	T	U	4000	1978	M	B 12/16/98	E	BI	
#2	T	U	4000	1978	M	B 12/16/98	E	BI	
#3	T	U	8000	1978	G	B 12/15/98	E	BI	

Certified Contractor (performing tank installation or removal): N/A DBPR License No.: \_\_\_\_\_

Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

Printed Name & Title: Raymond Otero Facility Manager Signature: Raymond Otero Date: 2/17/99

**Attachment D**  
**Application for Closure of Pollutant  
Storage Tank System**

## APPLICATION FOR CLOSURE OF POLLUTANT STORAGE TANK SYSTEM

Provide the facility information requested below.

FDEP Facility # 44/9103622 Facility Name U. S. D. A.

Facility Location Harry S. Truman Animal Import Center, Fleming Key, Florida

Property Owner U. S. D. A., Animal and Health Inspection Service

Property Owner Address 4700 River Road, Unit 115, Riverdale, Maryland 20737

Phone (301) 734-4475

Method of Tank Closure Removal

**Pollutant Storage Systems Specialty Contractor (PSSSC) who will be on site supervising closure activities. Attach copy of PSSSC license.**

Individual Licensed as PSSSC N/A PSSSC # N/A

Firm U.S. Navy - Public Works Center (PWC)

Address 310 John Tower Road, Pensacola, FL 32508

**Indicate the firm (s) that will degas, remove, and transport the tank(s), and the method of degassification.**

Degassification Method Air Eduction (API 1604-4.2.5)

Firm Removing Tanks U.S. Navy - Public Works Center (PWC)

Contact Mr. Paul Semmes, P.E. Phone (850) 452-4611 x 104

Firm Transporting Tanks N/A (Demolished On-Site)

Contact Mr Ron Westhoff Phone (850) 452-4563

Firm Receiving Tanks for Ultimate Disposal B.F.I.

Contact Mr Greg Sullivan Phone (305) 296-7548

**Indicate the laboratory that will conduct groundwater analysis.**

Contracted Laboratory U.S. Navy - PWC Phone (850) 452-3180

Contact Mr. Joe Moore FDEP QA/QC 920121G

**Indicate firm(s) transporting and disposing of contaminated soils.**

Firm Transporting Soils N/A

Contact \_\_\_\_\_ Phone \_\_\_\_\_

Firm Remediating/Disposing Soils N/A

Contact \_\_\_\_\_ Phone \_\_\_\_\_

Disposal/Remediation Method \_\_\_\_\_

**Indicate the firm(s) that will transport and ultimately dispose of residual product and sludge from the tanks.**

Firm Transporting Residual Product and Sludge Atlantic Industrial Services, Inc.

Contact Ms Denise Sais Phone (954) 971-9010

Firm Receiving/Disposal Residual Product and Sludge Atlantic Industrial Services, Inc.

Contact Ms Denise Sais Phone (800) 940-6155

**Indicate the firm and names of personnel that will conduct field sampling.**

Contracted Firm U.S. Navy - Public Works Center (PWC)

Contact Mr. Paul Semmes, P.E. Phone (850) 452-4611 x 104

Person (s) Sampling Mr. Paul Semmes, P.E.

Equipment used for soil screening (Specific Make and Model) Organic Vapor Analyzer

(OVA) Thermo Environmental (680 HVM) equipped w/Flame Ionization Detector (FID).

**Attachment E**  
**Underground Storage Tank**  
**Installation and Removal Form**



## Underground Storage System Installation and Removal Form for Certified Contractors

Underground Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This includes system components such as dispenser liners, piping sumps, and overfill protection devices.

### General Facility Information

Facility Name: <u>Harry S. Truman Animal Import Center</u>	DEP Facility Identification No.: <u>44/9103622</u>
Facility Address (physical location): <u>Harry S. Truman Animal Import Center, Fleming Key, Florida</u>	
County: <u>Monroe</u>	Telephone #: <u>(305) 293-4800</u>
Owner Name: <u>US Department of Agriculture</u>	Telephone #: <u>(301) 734-4475</u>
Owner Address: <u>4700 River Road, Unit 115, Riverdale, Maryland 20737</u>	

### Storage Tank System Information

Number of Tanks Installed: <u>None (0)</u>	Number of Tanks Removed: <u>Three (3)</u>
Date Work Initiated: <u>12/15/98</u>	Date Work Completed: <u>12/20/98</u>
Tank(s) Manufactured by: <u>Unknown</u>	
Description of work Completed: <u>Removal of three (3) UST's</u>	

### Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, Florida Administrative Code, and its adopted reference standards and documents for underground storage tank systems.

Navy Public Works Center, Pensacola  
(Type or Print)  
Certified Pollutant Tank Contractor Name

\_\_\_\_\_  
PSSC Number  
Pollutant Storage Systems  
Contractor License Number

\_\_\_\_\_  
Certified Tank Contractor Signature

*Johnnie Kizer*  
\_\_\_\_\_  
Johnnie Kizer

\_\_\_\_\_  
Field Supervisor Name

\_\_\_\_\_  
Date

2-8-99

\_\_\_\_\_  
Date

The owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must submit this form to the County no more than 30 days after the completion of installation, replacement, or removal of a storage tank system.

**Attachment F**  
**Closure Assessment Form**  
**Soil Analysis**



Florida Department of Environmental Protection

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

DEP Form # 62-761.800(3)
Form Title: Closure Assessment Form
Effective Date: December 10, 1990
DEP Application No. (Filed in by DEP)

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 62-761.800(3) or 62-762.800(3), Florida Administrative Code.

Please Print or Type
Complete All Applicable Blanks

- 1. Date 2/2/99
2. DEP Facility ID Number: 44/9103622 3. County Monroe
4. Facility Name: Harry S. Truman Animal Import Center
5. Facility Owner: US Department of Agriculture, Animal and Health Inspection
6. Facility Address: Harry S. Truman Animal Import Center, Fleming Key
7. Mailing Address: Post Office Box 4120, Key West, Florida 33041
8. Telephone Number: (305) 293-4800 9. Facility Operator: Ray Otero
10. Are the Storage Tank(s): (Circle one or both) A. Aboveground or B. Underground
11. Type of Product(s) Stored: Diesel
12. Were the Tank(s): (Circle one) A. Replaced B. Removed C. Closed in Place D. Upgraded (aboveground tanks only)
13. Number of Tanks closed: One (1) 14. Age of Tanks: Twenty-One (21)

Facility Assessment Information

- Yes No Not Applicable
1. Was a Discharge Reporting Form submitted to the Department?
If yes, When: Where:
2. Is the depth to ground water less than 20 feet?
3. Are monitoring wells present around the storage system?
If yes, please specify Vapor Monitoring Water Monitoring
4. Is there free product present in the monitoring wells or within the excavation?
5. Were the petroleum hydrocarbon vapor levels in the soil greater than 500 parts per million for gasoline?
Specify sample type: Vapor Monitoring wells Soil sample(s)
6. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosene?
Specify sample type: Vapor Monitoring wells Soil sample(s)
7. 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 sheet(s).)
8. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release?
9. Are any potable wells located within 1/4 of a mile radius of the facility?
10. Is there a surface water body within 1/4 mile radius of the site? If yes, indicate distance: 500'
11. 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.
12. 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.



**Summary of OVA Readings**

**Closure Assessment Report  
Underground Storage Tank, Tank #3  
Harry S. Truman Animal Import Center  
Fleming Key, Florida**

Hand Auger Sample No.	Depth (Feet)	Unfiltered (ppm)	Filtered (ppm)	Total Hydrocarbon Readings (ppm)
SS-A	10	8	<1	8
SS-B	10	<1	<1	0
SS-C	10	1	<1	1
SS-D	10	<1	<1	0
SS-E	10	<1	<1	0
SS-F	10	<1	<1	0

*Readings for unfiltered samples are total hydrocarbon readings including methane; readings for filtered samples are methane only.*

*Notes: ppm = parts per million.*

# Navy Public Works Center Environmental Laboratory

Bldg. 3887, Code 690  
NAS Pensacola, FL 32508  
Phone (850) 452-3180/3642  
DSN 922-3180/3642.  
FAX (850) 452-2799/2387

Client: NAS Environmental  
Address: Bldg. 1754  
NAS Pensacola, FL 32508  
Phone #: 452-4611 Ext. 105  
Contact: Paul Semmes

## Analytical Report

Total Volatiles by Method 8260

Lab Report Number: 90065  
Sample Date: 9 Jan 99  
Received Date: 11 Jan 99  
Sample Site: NAS Key West  
Job Order No.: 185 6002

LAB Sample ID#	1-	<b>90065</b>		
Sample Name / Location	MW#A1C			
Collector's Name	P. Semmes			
Date & Time Collected	9 Jan 99	@	1125	
Sample Type (composite or grab)	Grab			
Analyst	M. Chambers			
Date of Extraction / Initials	12 Jan 99 MC			
Date of Analysis	12 Jan 99			
Sample Matrix	Groundwater			
Dilution	X 1			
Compound Name	1-	<b>90065</b>	units	Det. Limit
				Flags
Benzene	BDL		ug/L	1
Bromobenzene	BDL		ug/L	1
Bromochloromethane	BDL		ug/L	1
Bromodichloromethane	BDL		ug/L	1
Bromoforn	BDL		ug/L	2
Bromomethane	BDL		ug/L	3
n-Butylbenzene	6		ug/L	1
sec-Butylbenzene	7		ug/L	1
tert-Butylbenzene	2		ug/L	2
Carbon Tetrachloride	BDL		ug/L	1
Chlorobenzene	BDL		ug/L	1
Chloroethane	BDL		ug/L	1
Chloroform	BDL		ug/L	1
Chloromethane	BDL		ug/L	1
2-Chlorotoluene *	BDL		ug/L	1
4-Chlorotoluene *	BDL		ug/L	1
Dibromochloromethane	BDL		ug/L	1
1,2-Dibromo-3-chloropropane *	BDL		ug/L	5
1,2-Dibromoethane	BDL		ug/L	1
Dibromomethane	BDL		ug/L	1
1,2-Dichlorobenzene	BDL		ug/L	1
1,3-Dichlorobenzene	BDL		ug/L	1
1,4-Dichlorobenzene	2		ug/L	1
Dichlorodifluoromethane	BDL		ug/L	1
1,1-Dichloroethane	BDL		ug/L	1
1,2-Dichloroethane	BDL		ug/L	1
1,1-Dichloroethene	BDL		ug/L	1
cis-1,2-Dichloroethene	BDL		ug/L	1
trans-1,2-Dichloroethene	BDL		ug/L	1
1,2-Dichloropropane	BDL		ug/L	1
1,3-Dichloropropane	BDL		ug/L	1
2,2-Dichloropropane	BDL		ug/L	1
1,1-Dichloropropene	BDL		ug/L	1
Ethylbenzene	2		ug/L	1
Ethyl ether *	BDL		ug/L	1
Hexachlorobutadiene	BDL		ug/L	2
2-Hexanone *	BDL		ug/L	1
Isopropylbenzene	7		ug/L	1
p-Isopropyltoluene	2		ug/L	1



# Navy Public Works Center Environmental Laboratory

Bldg. 3887, Code 690  
 NAS Pensacola, FL 32508  
 Phone (850) 452-3180/3642  
 DSN 922-3180/3642  
 FAX (850) 452-2799/2387

Client: NAS Environmental  
 Address: Bldg. 1754  
 NAS Pensacola, FL 32508  
 Phone #: 452-4611 Ext. 105  
 Contact: Paul Semmes

## Analytical Report

610 PAH's by Method 8270  
 Lab Report Number: 90065  
 Sample Date: 9 Jan 99  
 Received Date: 11 Jan 99  
 Sample Site: NAS Key West  
 Job Order No.: 185 6002

LAB Sample ID#	1- 90065			
Sample Name / Location	MW#A1C			
Collector's Name	P. Semmes			
Date & Time Collected	9 Jan 99		@ 1125	
Sample Type (composite or grab)	Grab			
Analyst	J. Moore			
Date of Extraction / Initials	15 Jan 99 JJ			
Date of Analysis	28 Jan 99			
Sample Matrix	Groundwater			
Dilution	X 1			
Compound Name	1- 90065	units	MDL	Flags
Acenaphthene	BDL	ug/L	2	
Acenaphthylene	BDL	ug/L	2	
Anthracene	BDL	ug/L	2	
Benzo(a)anthracene	BDL	ug/L	2	
Benzo(a)pyrene	BDL	ug/L	2	
Benzo(b)fluoranthene	BDL	ug/L	2	
Benzo(g,h,i)perylene	BDL	ug/L	2	
Benzo(k)fluoranthene	BDL	ug/L	3	
Chrysene	BDL	ug/L	2	
Dibenz(a,h)anthracene	BDL	ug/L	2	
Flouranthene	BDL	ug/L	2	
Flourene	BDL	ug/L	2	
Indeno(1,2,3-cd)pyrene	BDL	ug/L	2	
1-Methylnaphthalene	BDL	ug/L	2	
2-Methylnaphthalene	BDL	ug/L	3	
Naphthalene	BDL	ug/L	2	
Phenanthrene	BDL	ug/L	2	
Pyrene	BDL	ug/L	2	

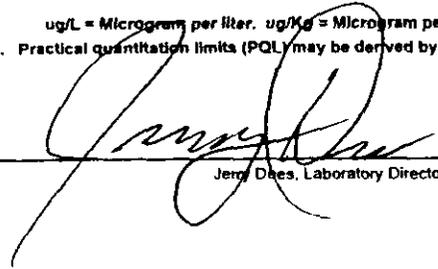
### SURROGATE SPIKE RECOVERIES

	Acceptance Limits	Percent Recovery
Nitrobenzene- d5	35-114	102
2-Fluorobiphenyl	43-118	108
Terphenyl -d14	33-141	93

Explanation of Flags: \_\_\_\_\_

COMMENTS : Surrogate recovery limits derived from EPA OLM01.0 SOW 3/90.  
 \_\_\_\_\_

BDL = Below Detection Limit. ug/L = Microgram per liter. ug/Kg = Microgram per kilogram. \* = FL HRS certification pending.  
 MDL = Method detection limit. Practical quantitation limits (PQL) may be derived by multiplying the MDL by 4.

Approved by :   
 Jerry Dees, Laboratory Director

Date: 1/29/99  
 Report Generated

# CHAIN OF CUSTODY/REQUEST FOR ANALYSIS (UST Projects)

NPWC Environmental Laboratory  
 Bldg. 3887, Code 020  
 NAS Pensacola, FL 32508  
 Phone - (904) 452-4728/3842  
 DSN 022-4728/3842  
 FAX (904) 452-2799/2387

Requester: NAS KEY WEST  
 Address: 154 WEST  
 Phone #: 293-3245  
 Contact: PAUL SEMMES  
 Job Order #: 1856002

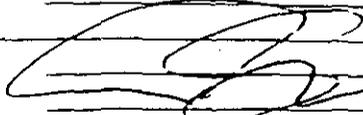
Report Required?  Yes  No    QC Required?  Yes  No  
 Lab ID Number: \_\_\_\_\_  
 Sample Date: 1/9/99  
 Received Date: \_\_\_\_\_  
 Sample Size: \_\_\_\_\_  
 Lab Due Date: \_\_\_\_\_

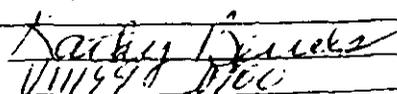
Sample ID #	Lab	#1-90065	#2-90066	#3-90067	#4-90068	Notes:
Sample Name	-----	MW# AIC	1	2	3	1 = D.1
or Location	-----					2 = D.2
Sampled by	-----	PRS				3 = D.3
Composite	Begin					
Date/Time	Frequency	1/9/99				
Collected	End	1125	1145	1200	1210	
Grab Time	-----					
Sample Matrix	-----	GW				

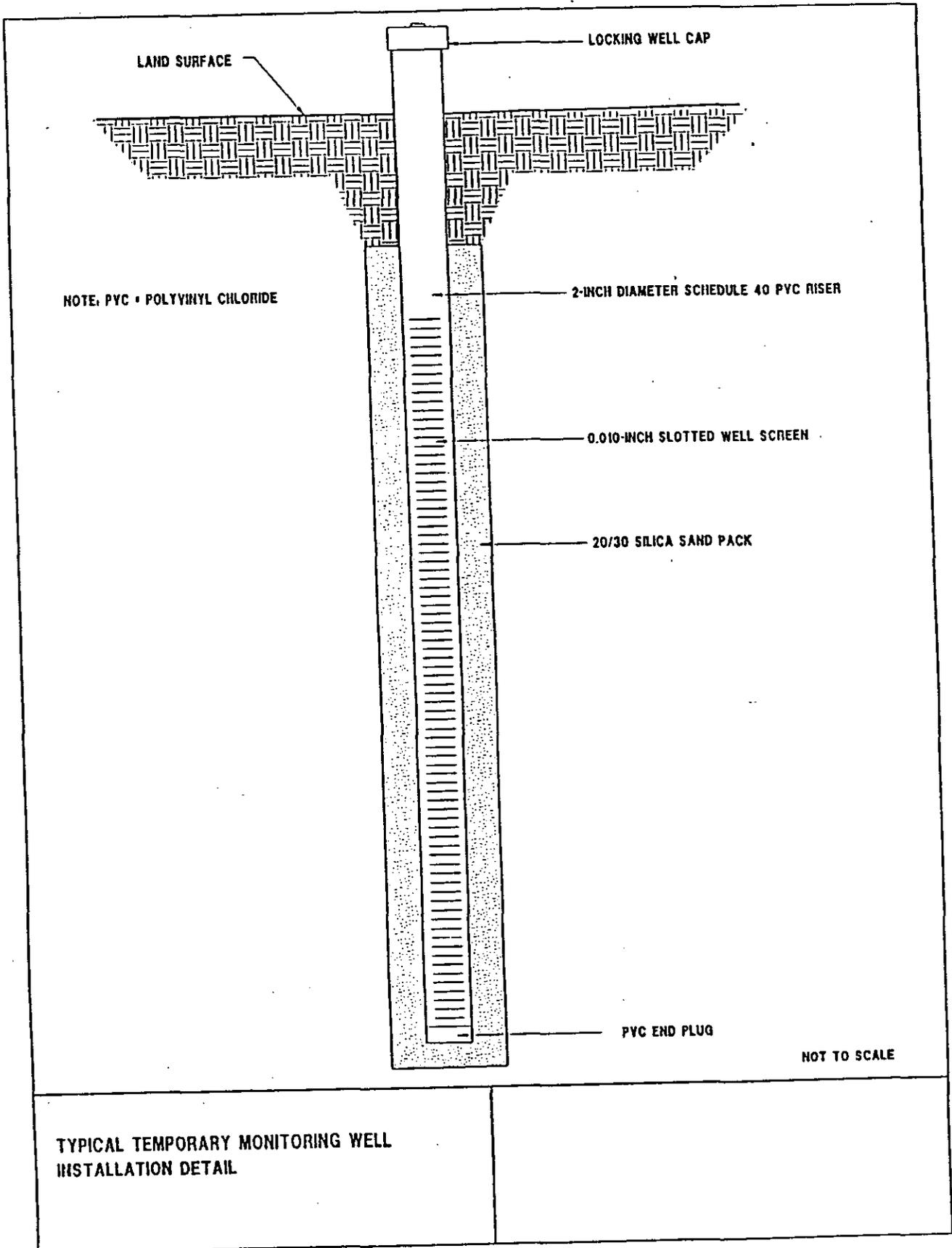
  

PARAMETER by Method Name	METHOD #	X	Bottle ID #'s	Billing Units	Containers Required	Preservative(s) Used						
Ethylene Dibromide (EDB)	EPA 504									3	120ml A VOA/4 oz.	None/4° C
Purg. Halocarbons/GC	EPA 801									4	40 ml VOA/2# x 2	HC/4° C
Purg. Aromatics/GC	EPA 802									3	40 ml VOA/2# x 2	HC/4° C
Purg. Hala. & Aro./GC	EPA 801/802									8	40 ml VOA/2# x 2	HC/4° C
Polynuclear Aromatics/HPLC	EPA 810									7	1L Amber x 2	4° C
Purgeable/GCMS	EPA 824									8	40 ml VOA/2# x 2	HC/4° C
Base/Neutals & Acids/GCMS	EPA 825									15	1L Amber x 2	4° C
Gas Chromatography	EPA SW 8000									5	40ml/2/1Lx2/4 oz.	HC/4° C/None
Halo. Vol. Org./GC	EPA SW 8010									4	40ml VOA/2# x 2	HC/4° C/None
Non-Halo. Vol. Org./GC	EPA SW 8015(MOD)									4	40ml/2/1Lx2/4 oz.	HC/4° C/None
Aro. Vol. Org./GC	EPA SW 8020									3	40ml VOA/2# x 2	HC/4° C/None
Halo/Aro. Vol. Org./GC	EPA SW 8010/8020									8	40ml VOA/2# x 2	HC/4° C/None
Polynuclear Aromatic/GC	EPA SW 8100									6	1Lx2/4 oz.	4° C/None
VOC/GCMS	EPA SW 8240A									8	40ml VOA/2# x 2	HC/4° C/None
VOC/GCMS - Cap.	EPA SW 8260	X		X		X		X		8	40ml VOA/2# x 2	HC/4° C/None
Semvol. Org./GCMS - Cap.	EPA SW 8270A			X		X		X		18	1Lx3/4 oz.	4° C/None
Polynuclear Aromatic (PAH)	EPA SW 8310	X		X		X		X		8	1Lx3/4 oz.	4° C/None
PARAMETER by Group Name	METHOD SOURCE	X	Bottle ID #'s	Billing Units	Containers Required	Preservative(s) Used						
Gasoline Analytical Group	EPA SW-848									47	Consult Lab	Consult Lab
Kerosene Analytical Group	EPA SW-848									38	Consult Lab	Consult Lab
Mixed Product Analytical Group	EPA SW-848									24	Consult Lab	Consult Lab
Total Petroleum Hydrocarbons	EPA 418.1									2	Consult Lab	Consult Lab
Total Petroleum Hydrocarbons	FL-PRO									7	Consult Lab	Consult Lab
PCRA Metals (8)	EPA Various									8	Consult Lab	Consult Lab
TCLP Metals (8) w/extraction	EPA SW-848									10	Consult Lab	Consult Lab
Lead (Pb) only	EPA 238.2									1	250ml/4 oz.	HNO <sub>3</sub> /None
Other: <u>MTBE</u>		X		X		X		X				

Comments

Relinquished by:  PAUL SEMMES  
 Date/Time: \_\_\_\_\_

Received by:   
 Date/Time: 1/11/99 1100



**Attachment G**  
**Certificate of Decontamination**

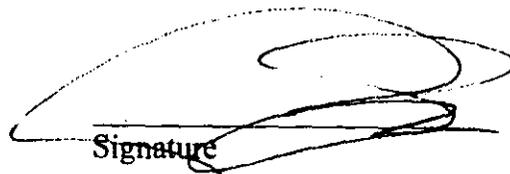
DEPARTMENT OF THE NAVY  
NAVY PUBLIC WORKS CENTER  
310 JOHN TOWER ROAD  
PENSACOLA, FLORIDA 32508-5303

# CERTIFICATE OF DECONTAMINATION

It is hereby certified that the following Underground Storage Tanks located at the Animal Import Center, Fleming Key, Florida has been decontaminated by the Navy Public Works Center (PWC), Pensacola, Florida:

Tanks #1, #2, and #3

The tank was emptied, vapor freed, cleaned, and rendered unusable in accordance with requirements of API Standard 1604 and 2015 and as defined in 40 CFR 261.7.



Signature

Paul R Semmes, PE  
Environmental Engineer  
Title

12/17/98  
Date