

# Permit Document Routing Sheet

Index Date	Document Type	EPAID	Document Date
6/20/2005	FINANCIAL ASSURANCE MATERIALS	FLD065680613	2005 06.13
PERMIT_NUMBER	PROJECT_MANAGER	Name	
	<i>Prusty Kothur-b</i>	US FILTER REC SER MID ATLANTIC	
Subject: USED OIL FACILITY CLOSURE COST ESTIMATE FORM			

## RCRA Permitting Routing Slip

TO	NAME	INITIALS	DATE
	BAHR, Timothy		
	Ashwood, Janet		
	Outley, Debra		
	PUTCHA, Subra		
	Law, Tina		
	Simmons, Juliette		
	BAKER, Brian		
	Cook, Bob		
	Davis, Stacie		
	Graves, Shelton		
	Kaharoeddin, Ami		
	Madrid, Nicanor		
	Stein, Camille		
X	OUTLAW, Doug	<i>TD</i>	<i>6/24/05</i>
	Echevarria, Edgar		
	Griffin, John		
X	Kothur, Bheem	<i>BK</i>	<i>6/21/05</i>
	Kulkarni, Tara		
X	Prusty, Rabin		
X	Register, Harold		
	Thursby, Kimberly		
	<i>Register TOR</i>		<i>RYI</i>

Document Index Number (docdruid) : 1.98198.1

Monday, June 20, 2005



# Florida Department of Environmental Protection

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

DEP Form #62-710.901(7)  
Form Title Used Oil Facility Financial  
Assurance Closure Cost Estimate Form  
Effective Date \_\_\_\_\_

## Used Oil Facility Closure Cost Estimate Form

Date: June 13, 2005

Date of DEP Approval: \_\_\_\_\_

### I. GENERAL INFORMATION:

Facility Name: USFilter Recovery Services Mid-Atlantic, Inc EPA ID Number: FLD065680613

Facility Address: 105 South Alexander Street, Plant City, FL 33563

Mailing Address: 105 South Alexander Street, Plant City, FL 33563

Latitude: 28° 00' 43.1 Longitude: 82° 08' 24.5

### II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

☒ Letter of Credit\*      ☐ Performance Bond\*      ☐ Guaranty Bond\*      \*Indicate mechanisms that  
☐ Insurance Certificate      ☐ Financial Test      ☐ Trust Fund Agreement      require use of a Standby  
Trust Fund Agreement

### III. ESTIMATE ADJUSTMENT: (check and use either box a or b, below)

40 CFR Part 264, Subpart H, as adopted by reference in Rule 62-701.630, Florida Administrative Code, sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.



#### (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850) 245-8707.

This adjustment is based on the Department approved closure cost estimate dated: \_\_\_\_\_

\_\_\_\_\_  
Latest DEP approved  
Closure Cost Estimate

X

\_\_\_\_\_  
Current Year  
Inflation Factor

=

\_\_\_\_\_  
Inflation Adjusted  
Annual Closure Cost Estimate

Signature: \_\_\_\_\_

Name and Title: \_\_\_\_\_



#### (b) Recalculate Cost Estimates (see section V)

Northwest District  
160 Governmental Center  
Pensacola, FL 32501-5794  
850-595-8360

Northeast District  
7825 Baymeadows Way, Ste. B200  
Jacksonville, FL 32256-7590  
904-448-4300

Central District  
3318 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767  
407-894-7555

Southwest District  
3804 Coconut Palm Dr.  
Tampa, FL 33619  
813-744-6100

South District  
2295 Victoria Ave., Ste. 384  
Fort Myers, FL 33901-3881  
941-332-8975

Southeast District  
400 North Congress Ave  
West Palm Beach, FL 33401  
561-881-8800

#### IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department **annually**, revised or adjusted as required by Rule 62-701.630(4), F.A.C.



Signature of Engineer

Carol Beth Kessler, P.E

Engineer's Name and Title (please print or type)

60598

Florida Registration Number (please print or type)

105 South Alexander St.

Plant City, FL 33563

Engineer's Mailing Address

813-478-0283

Engineer's Telephone Number

 6/15/05

Signature of Owner/Operator

Mr. David Braykovich, Business Unit Manager

Owner's Name and Title (please print or type)

813-754-1504

Owner/Operator's Telephone Number

david.braykovich@usfilter.com

Owner/Operator's E-Mail Address

carol.Kessler@usfilter.com

Engineer's E-Mail Address

#### V. RECALCULATED ESTIMATED CLOSING COST

For the time period in the facility's operation when the extent and manner of its operation makes closing **most expensive**.

Third Party Estimate/Quote must be provided for each item.

Costs must be for a third party providing all materials and labor.

**\* see attached cost estimate**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1. Engineering:				
Closure Plan Report	LS	*	*	*
Certified Engineer	LS	*	*	*
Certification of Closure	LS	*	*	*
Other (details)	LS	*	*	*
Subtotal (1) Engineering:				*

2. Professional Services

\* see attached cost estimate

	Contract Management		Quality Assurance		Total
	Hours	LS	Hours	LS	
On-Site Engineer	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>
Office Engineer	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>
On-Site Technician	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>
Other (explain)	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>	<u>          *</u>

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
Quality Assurance Testing	LS	<u>          *</u>	<u>          *</u>	<u>          *</u>
Soil Testing	LS	<u>          *</u>	<u>          *</u>	<u>          *</u>
Sludge/Sediment Testing	LS	<u>          *</u>	<u>          *</u>	<u>          *</u>
Wash Water Testing	LS	<u>          *</u>	<u>          *</u>	<u>          *</u>
Other Services (explain)	LS	<u>          *</u>	<u>          *</u>	<u>          *</u>

**Subtotal (2) Professional Services:**           \*

**Subtotal of 1 and 2 Above:**           \*

3. Contingency                      % of Total                                \*

**Closing Cost Subtotal:**           \*

\* see attached cost estimate

4. Site Specific Costs (explain)

Mobilization

\*

Used Oil Facility

\*

Petroleum Contact Water

\*

Other Liquids

\*

Solid Waste

\*

Used Oil Filters

\*

Other (explain)

\*

**Subtotal Site Specific Costs:** \*

**TOTAL CLOSING COST:** \*

Used Oil Coordinator  
MS 4555  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400,

Phone (850) 245-8755  
email: richard.neves@dep.state.fl.us

**USFILTER RECOVERY SERVICES MID-ATLANTIC  
PLANT CITY, FLORIDA FACILITY**

**CLOSURE DECONTAMINATION COST ESTIMATE**

**Unit Transportation and Disposal Costs**

Oily water	\$0.16	\$/Gal
Oily Sludge Liquid	\$1.44	\$/Gal
Oily Solids (Non-Haz)	\$42.00	\$/Ton
Oily liquids (Haz)	\$0.25	\$/Gal
Oily Solids (Haz)	\$150.00	\$/Ton
Virgin vehicle fuels	\$0.00	\$/Gal (may assume zero cost with salvage value)

**NOTE:  
ALL COSTS REPRESENT COMMERCIAL  
THIRD PARTY COSTS FOR SITE AT  
FULL CAPACITY**

<b>Site Safety and Operations Plan</b>	10000	Lump Sum	\$10,000
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**TANKS - DISPOSAL OF INVENTORY AND DECONTAMINATION**

Total Number of Tanks	28	\$/Sample	
Tank Content Characterization TCLP+PCB		\$1,200	\$33,600

**Maximum Inventory**

**Tank Liquids**

	% vol. Pumpable	Pump volume	\$/Gal	Total
Total Number of Tanks	28		Disposal cost as oily water	
Total tank volume, gal	1633700	901	1470330	\$0.16 \$235,253
vehicle diesel, gal	10000	95	9500	\$0.00 \$0

**Liquid/sludge by Vac Truck**

	% vol. Vac Truck	Vac volume	\$/Gal	Total
Total Number of Tanks	28		Disposal cost as oily sludge	
Total tank volume, gal	1633700	31	49011	\$1.44 \$70,576
vehicle diesel, gal	10000	5	500	\$1.44 \$720

**Note: Confined Space Procedures for Tank Entry-PPE Level C if Required**

**Solids Removal**

	% vol. Solids	Tons Solids volume	\$/Ton	Total
Total Number of Tanks	28		Disposal cost as oily solids	
Total tank volume, gal	1633700	71	560.3591	\$42.00 \$23,535
vehicle diesel, gal	10000	0	0	\$42.00 \$0

**Initial Tank Cleaning for 24 Hours with  
Steam Condensate (as % tank volume)**

	% vol. Vac Truck	Vac Volume	\$/Gal	Total
Total Number of Tanks	28		Disposal cost as oily sludge	
Total tank volume, gal	1633700	21	32674	\$1.44 \$47,051
vehicle diesel, gal	10000	0	0	\$1.44 \$0

**High Pres. Steam Clean (as % tank volume)**

	% vol. Vac Truck	Vac Volume	\$/Gal	Total
Total Number of Tanks	28		Disposal cost as oily water	
Total tank volume, gal	1633700	31	49011	\$0.16 \$7,842
vehicle diesel, gal	10000	21	200	\$0.16 \$32

(includes associated piping, appurtances, etc)

**Containment Steam Clean (as % tank volume)**

	% vol. Vac Truck	Vac Volume	\$/Gal	Total
Total Number of Tanks	28		Disposal cost as oily water	
Total tank volume, gal	1633700	21	32674	\$0.16 \$5,228
vehicle diesel, gal	10000	0	0	\$0.16 \$0

**Container Storage Areas**

	Number Units	Gal or Tons total volume	Gal or Tons \$/Unit T&D)	
Non-Haz Drums, solids	200	52	\$42.00	\$2,184
Non-Haz Drums, liquids	200	11000	\$0.16	\$1,760
Haz Drums, Liquids	10	550	\$0.25	\$138
Haz Drums, solids	10	2.6	\$150.00	\$390
Roll-off boxes (@20cy/box)	4	78	\$42.00	\$3,276
Surficial stained soil boxes	1	19.5	\$42.00	\$819
General cleanup				
<b>Container Characterization - 10% of Drums + rolloff boxes</b>				<b>TCLP cost</b>
Number analytical samples	35		\$1,200.00	\$42,000

**Inventory & Decontamination Manpower Costs**

Classification	Florida 2002 Prevailing Wage Rate	Contractor Billing Rate Multiplier	Total Cost for 8-hr day
Engineer, Manager	33.76	3.5	945.28
Project Engineer	21.46	3.5	600.88
Haz Waste Laborer	13.35	3.2	341.76

Assume 43 Work Days for Disposal of Material Inventory and  
Labor Crew Size 5 Decontamination of Tanks and Site Equipment

Classification	Man-days	Daily Cost	Total Cost
Engineer, Mgr @33%time	14	945.28	\$13,414
Project Engineer, Site Supervisor	43	600.88	\$25,838
Haz Waste Laborer	215	341.76	\$73,478
			\$112,730
			\$112,730

**Summary Report of Decontamination Activities**

Lump Cost	\$10,000	\$10,000
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**Equipment Rental Costs, Supplies, Safety, Etc.**

	Number days	Cost		
Equipment Rental Costs, Supplies, Safety, Etc.	43	\$500	Per day	\$21,500
Cleanup Verification Samples (#tanks + 30%)	36	\$250	Per sample	\$9,100

**Soil and Groundwater Site Assessment**

	Lump Costs	(Initial Phase II Reconnaissance Level)
Drilling (Geoprobe)	\$5,000	(includes investigative material disposal)
Analytical (20 samples)	\$9,000	(PPE at Level D)
Geoscience Labor	\$12,000	
Total	\$26,000	\$26,000

**Total Decommissioning Cost \$663,732**

Contingency %	15	\$99,560
Administrative %	10	\$66,373

**TOTAL CLOSURE DECONTAMINATION COST ESTIMATE \$829,665**

2003 Cost Estimate x 1.015 = 2004 Cost Estimate

\$829,665 x 1.015 = \$842,110

2004 Cost Estimate x 1.020 = 2005 Cost Estimate

\$842,110 x 1.020 = \$858,953

**2005 TOTAL CLOSURE DECONTAMINATION COST ESTIMATE \$858,953.00**

**NOTE:** Cost Estimate is based upon removal of inventory and the decontamination of the facility to a safe clean condition suitable for further ordinary business usage of the facility or disposition of the facility through ordinary bankruptcy proceedings. The Cost Estimate does not include demolition of any tanks or structures to a greenfield condition.



# Permit Document Routing Sheet

<b>Index Date</b>	<b>Document Type</b>	<b>EPAID</b>	<b>Document Date</b>
6/20/2005	PERMIT APPLICATION	FLD065680613	2005.06.20
<b>PERMIT_NUMBER</b>	<b>PROJECT_MANAGER</b>	<b>Name</b>	
	<i>Prusty Kothur_b R</i>	US FILTER REC SER MID ATLANTIC	
<b>Subject:</b> APPLICATION FORM FOR A USED OIL PERMIT			

RCRA Permitting Routing Slip			
TO	NAME	INITIALS	DATE
<input type="checkbox"/>	BAHR, Timothy		
<input type="checkbox"/>	Ashwood, Janet		
<input type="checkbox"/>	Outley, Debra		
<input checked="" type="checkbox"/>	PUTCHA, Subra	<i>[Signature]</i>	
<input type="checkbox"/>	Law, Tina		
<input type="checkbox"/>	Simmons, Juliette		
<input type="checkbox"/>	BAKER, Brian		
<input type="checkbox"/>	Cook, Bob		
<input type="checkbox"/>	Davis, Stacie		
<input type="checkbox"/>	Graves, Shelton		
<input type="checkbox"/>	Kaharoeddin, Ami		
<input type="checkbox"/>	Madrid, Nicanor		
<input type="checkbox"/>	Stein, Camille		
<input checked="" type="checkbox"/>	OUTLAW, Doug	<i>DOU</i>	<i>6/21/05</i>
<input type="checkbox"/>	Echevarria, Edgar		
<input type="checkbox"/>	Griffin, John		
<input checked="" type="checkbox"/>	Kothur, Bheem	<i>Bheem</i>	<i>6/21/05</i>
<input type="checkbox"/>	Kulkarni, Tara		
<input checked="" type="checkbox"/>	Prusty, Rabin		
<input type="checkbox"/>	Register, Harold		
<input type="checkbox"/>	Thursby, Kimberly		

*For your action*

*PYS*

Document Index Number (docdruid) : 1.98208.1

Monday, June 20, 2005



5690 West Midway Rd.  
Ft. Pierce, FL 34981

Phone 772-468-2300  
Fax 772-468-9328

June 13, 2005

Certified Mail: 7004 2890 0003 9385 3959 - Tallahassee  
7004 2890 0003 9385 3966 - SWD

Florida Department of Environmental Protection  
Bureau of Solid and Hazardous Waste  
Hazardous Waste Regulation Section  
Attn: Environmental Administrator – MS 4560  
2600 Blairstone Road  
Tallahassee, Florida 32399-2400

RECEIVED  
RCRA

JUN 17 2005

Hazardous Waste Regulation

RE: Used Oil Processor Modification Application  
USFilter Recovery Services (Mid-Atlantic), Inc.  
105 South Alexander Street, Plant City, Florida 33566  
FLD 065 680 613

USFilter Recovery Services (mid-Atlantic), Inc is please to submit three (3) copies of our Used Oil Processor Modification Application for our Plant City Facility. One of the copies has been submitted to the FDEP Southwest District Office in Tampa as discussed on June 10, 2005. This modification is for the addition of three (3), 30,000 gallon aboveground storage tanks. Additionally, to meet the new financial assurance requirements set for the in 62-710.800 (6), we have provided a detailed Closure Plan and Closure Cost Estimate. The modification includes a table indicating page for page changes that have been made in reference to the new tanks, Closure Plan and Closure Cost Estimate.

An Application for the Installation of a Pollutant Storage System along with a Tank Registration has been provided to Hillsborough County Environmental Protection Commission (EPC). A copy of the County's approval to commence work has been enclosed for your review. Upon final inspection and approval of the EPC, we will provide written notification to the Department.

If you have any questions, or require additional information, please contact myself or Carol Kessler at the above number. Thanks in advance for your attention to this submittal.

Respectfully,

Catherine Porthouse  
Regional EH&S Manager  
USFilter Recovery Services (Mid-Atlantic), Inc.

CAP:bms

Enclosure

cc: Carol Kessler - USFRSMA  
Garry Allen - USFRSMA  
Al Gephart - FDEP SW District

DATE 05/26/05

VENDOR NAME FLORIDA DEPARTMENT OF

VENDOR NO. G04651

NO. 253097

INVOICE NO.	INVOICE DATE	REFERENCE	INVOICE AMOUNT	DISCOUNT	NET AMOUNT
CR052305	05/23/05	T FLD 065 680.613	500.00	0.00	500.00

PLEASE DETACH AND RETAIN THIS STATEMENT AS YOUR RECORD OF PAYMENT

TOTAL 500.00

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER

**USFilter**

A Siemens Business

US Filter Recovery Services

(Mid-Atlantic), Inc.

14950 Heathrow Forest Pkwy., Suite 250

Houston, TX 77032

LaSalle Bank NA

Chicago, Illinois 60603

70-2302/719

CHECK DATE	CHECK NO.	CHECK AMOUNT
05/26/05	253097	\$ *****500.00

Void After 120 Days From Date of Issue

PAY FIVE HUNDRED AND 00/100 DOLLARS

TO THE FLORIDA DEPARTMENT OF  
ORDER OF ENVIRONMENTAL PROTECTION  
2600 BLAIR STONE RD. MS 4560  
TALLAHASSEE FL 32399-2400

USA



AUTHORIZED SIGNATURE(S)

THE BACK OF THIS DOCUMENT CONTAINS AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

# Permit Document Routing Sheet

Index Date	Document Type	EPAID	Document Date
6/20/2005	OTHER	FLD065680613	2004.12.22
PERMIT_NUMBER	PROJECT_MANAGER	Name	
	<i>Bahr</i> <i>Kothur</i>	US FILTER REC SER MID ATLANTIC	
Subject: STORAGE TANK INSTALLATION PLAN REVIEW FORM			

## RCRA Permitting Routing Slip

TO	NAME	INITIALS	DATE
<input type="checkbox"/>	BAHR, Timothy		
<input type="checkbox"/>	Ashwood, Janet		
<input type="checkbox"/>	Outley, Debra		
<input type="checkbox"/>	PUTCHA, Subra		
<input type="checkbox"/>	Law, Tina		
<input type="checkbox"/>	Simmons, Juliette		
<input type="checkbox"/>	BAKER, Brian		
<input type="checkbox"/>	Cook, Bob		
<input type="checkbox"/>	Davis, Stacie		
<input type="checkbox"/>	Graves, Shelton		
<input type="checkbox"/>	Kaharoeddin, Ami		
<input type="checkbox"/>	Madrid, Nicanor		
<input type="checkbox"/>	Stein, Camille		
<input checked="" type="checkbox"/>	OUTLAW, Doug	<i>DO</i>	<i>6/5/05</i>
<input type="checkbox"/>	Echevarria, Edgar		
<input type="checkbox"/>	Griffin, John		
<input checked="" type="checkbox"/>	Kothur, Bheem	<i>Bu</i>	<i>6/30/05</i>
<input type="checkbox"/>	Kulkarni, Tara		
<input checked="" type="checkbox"/>	Prusty, Rabin		
<input type="checkbox"/>	Register, Harold		
<input type="checkbox"/>	Thursby, Kimberly		

*OFFER*

Document Index Number (docdruid) : 1.98197.1

Monday, June 20, 2005

COMMISSION  
Brian Blair  
Kathy Castor  
Ken Hagan  
Jim Norman  
Thomas Scott  
Mark Sharpe  
Ronda Storms



Executive Director  
Richard D. Garrity, Ph.D.

Administrative Offices,  
Legal & Water Management Division  
1900 - 9th Ave. • Tampa, FL 33605  
Ph. (813) 272-5960 • Fax (813) 272-5157  
Waste Management, Wetlands &  
Environmental Resource Management Division  
3629 Queen Palm Dr. • Tampa, FL 33619  
Waste Fax (276-2256) Wetlands Fax (272-7144)  
Air Management Division  
1410 N. 21st St. • Tampa, FL 33605  
Fax (272-5605)

## STORAGE TANK INSTALLATION PLAN REVIEW FORM

### SECTION I

Date: December 22, 2004

Facility # 298625319

Facility Owner: US Filter Recovery Service (Mid-Atlantic) Inc. Phone # (813) 754-1504

Facility Name: US Filter Recovery Services Contact: Gary Allen

Facility Address: 105 So. Alexander St., Plant City, FL 33563

Contractor: NA

Contact: NA

Contractor's Phone # NA

### SECTION II

The Environmental Protection Commission reviews installation plans for storage tank systems in accordance with Chapter 62-761 Florida Administrative Code, and the Environmental Protection Commission of Hillsborough County Rules 1-1 and 1-12. To apply for a building permit, submit this form with the approved plans to the appropriate County or Municipal Building Department.

### SECTION III

X	APPROVED WITH CONDITIONS	(see comments on page 2)
	RESUBMITTAL REQUIRED	
	DISAPPROVED	

REVIEWED BY:

*Michael J. McQuinn*

RECEIVED BY:

*David B. Hester*

TITLE:

*Environmental Specialist III*

DATE:

*12-23-04*



## SECTION IV

CONDITIONS /COMMENTS

Date: December 22, 2004

Facility# 298625319

### Installation:

The scope of work involves installation of three 30,000-gallon ASTs. Tanks will be installed within an existing concrete secondary containment area. The primary means of overfill protection will be the secondary containment. In addition there will be a high level warning alarm on each tank as a secondary means of overfill protection. The alarm will be a Morrison Bros. Co. 918TCP AST alarm system (EQ-536 on FL DEP Approved Storage Tank Equipment List). Transfer operations will be manually controlled by personnel who will monitor the filling operation. The available capacity will be determined prior to starting the transfer operation, in accordance with FDEP requirements. The level warning alarms will provide indication of a potential problem as an emergency backup.

The new tanks and piping will tie into existing truck unloading and transfer pumps ("3 Ft Pump", "6 Ft Pump", "Water Pump") as indicated on the drawings. The existing pumps and piping are installed in accordance with FL DEP regulations in existing concrete containment areas. Two pumps are located in the concrete containment area adjacent to the existing secondary containment area where the new tanks will be located. The third pump is located within the same secondary containment area as the new tanks. This equipment is shown on the plan drawings.

The new piping will be of carbon steel construction. The fill and withdrawal piping will be 4-inch diameter. There will be three 1-inch diameter sample lines, and one (1) 6-inch diameter cleanout connection on each tank.

**Tanks:** (3) 30,000-gallon shop fabricated ASTs. Tanks will be designed in accordance with API 650, API 620, 62-762 Florida Administrative Code and the various reference standards. Tank will be mounted on steel supports and anchored to the containment floor.

**Piping:** Piping will be aboveground and made of carbon steel construction. The fill and withdrawal piping will be 4-inch diameter. There will be three 1-inch diameter sample lines, and one (1) 6-inch diameter cleanout connection on each tank.

**Release detection:** Visual inspection of secondary containment

**Spill buckets:** Existing concrete spill containment in the off-loading area. Spill containment must meet the requirement of 62-761 F.A.C.

**Overfill Protection:** The primary means of overfill protection will be the secondary containment. In addition there will be a high level warning alarm on each tank -- a secondary means of overfill protection. The alarm will be a Morrison Bros. Co. 918TCP AST alarm system (EQ-536).

**Secondary Containment Dimensions:** Concrete Secondary containment must meet the requirements of 62-762 F.A.C. Containment must contain a minimum of 110% of the largest tank single walled tank within the dike field. Containment drains must be manually controlled pump or siphon, or gravity drain pipe which has a manual controlled valve to remove the accumulation of liquids. Gravity drain pipes must be designed and constructed to prevent a discharge.

**Exterior Coating:** Tank and piping must be coated, painted and properly labeled.

Dispenser Liner: NA

Piping Sump: NA

Valves: Suction/gravity fed systems must have anti-siphon/solenoid and isolation valves installed where the piping and the tank connect. This is for small diameter piping (< 4 inches). A manual isolation valve must be installed down stream of the anti-siphon valve.

**Conditions of approval:**

**The EPC must be notified 24 hours prior to placing the tank system into service**

- Inspection of tank, piping, and secondary containment
- Tank should be electrically grounded.
- Manual isolation valve and anti-siphon valve must be installed.
- Tank and piping exterior coating applied
- Proper labeling for tank must be applied

**These tanks must be inspected and maintained in accordance with 62-762 F.A.C. requirements such as inspections, cathodic protection, and secondary containment requirements.**

**Any deviations from the original equipment or the scope of work submitted will require resubmittal of changes to EPC office for review and approval.**

REVIEWED BY: Mark McQuinn RECEIVED BY: Carol B. Kenner  
TITLE: Env. Specialist II DATE: 12/23/04

**McDaniel, Mike**

---

**From:** Moghadam, Farid [Farid.Moghadam@dep.state.fl.us]  
**Sent:** Tuesday, December 21, 2004 10:40 AM  
**To:** McDaniel, Mike  
**Subject:** RE: US Filter Tank Installation

Good Morning Mike:

Based upon the submitted documents, The Department finds that the tank design and installation for US Filter facility ID # 298625319 is in accordance with Chapter 62-762, F.A.C., requirements for field erected tank requirements. Please be advised that the facility owner needs to comply with other parts of Chapter 62-762 F.A.C., requirements such as inspection and testing frequency in accordance with API 653 requirements, cathodic protection, secondary containment requirements.

Please let me know if you require additional information. Have a happy Holidays, Merry Christmas and happy New Year to you and your family.

Sincerely,

Farid Moghadam  
Storage Tank Regulation Section  
farid.moghadam@dep.state.fl.us  
Telephone: 850/245-8848  
Fax : 850/245-8858

---

**From:** McDaniel, Mike [mailto:McDanielM@epchc.org]  
**Sent:** Tuesday, December 21, 2004 9:19 AM  
**To:** Moghadam, Farid  
**Subject:** US Filter Tank Installation

Good morning Farid,

This is the name, address, and facility ID number:

**US Filter Recovery Services Inc.**  
**105 So. Alexander Street**  
**Plant City, FL 33563**  
**298625319**

Farid, I also attached an e-mail I received on yesterday from Carol Kessler, P.E. of US Filter concerning this tank installation. I appreciate your support, have a happy holiday.

Thank you,

Michael McDaniel  
Environmental Specialist III  
Environmental Protection Commission  
of Hillsborough County  
3629 Queen Palm Drive  
Tampa, FL. 33619  
813-272-5960, ext. 1231

12/22/2004



**PENN PRO, Inc.**

P.O. Box 89  
4000 Highway 60 E.  
Mulberry, FL 33860  
Phone: 863-648-9990  
Fax: 863-648-4988

# Fax

To: Mike McDaniel: EPC-HC From: David Nickl  
Fax: 813-276-2256 Date: 12/20/04  
Phone: \_\_\_\_\_ Pages: 9  
RE: US Filter Plant City CC: \_\_\_\_\_  
Tank Calculations  
☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Comments:

CONFIDENTIAL

IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR AN AGENT RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT YOU HAVE RECEIVED THIS DOCUMENT IN ERROR. ANY REVIEW, DISSEMINATION OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IT IS INTENDED FOR THE EXCLUSIVE USE OF THE NAMED RECIPIENT. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE CONTACT US BY TELEPHONE, 863-648-9990 TO DISCUSS THE RETURN OR THE DESTRUCTION OF THIS DOCUMENT.

**MOODY ENGINEERING, INC.**

5925 IMPERIAL PARKWAY  
Suite 220  
MULBERRY, FLORIDA 33860

**STRUCTURAL ENGINEERING CALCULATIONS**

30,000 GAL. USED OIL AND OILY WATER  
HOLDING TANK  
Revision 1

DATE: December 15, 2004  
ENGINEERED BY: SSH

PROJECT NO. 04256  
CHECKED BY: SRM  
SHEET NO. 1

**PROJECT:** 30,000 Gal. Used Oil and Oily Water Holding Tank

**CLIENT::** U.S. Filter  
Plant City Facility

**PROJECT LOCATION:** Plant City, Florida

**1.0 DESIGN CRITERIA****1.1 DESIGN CODES**

- 1.1.1 AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE 7-98)
- 1.1.2 2001 FLORIDA BUILDING CODE
- 1.1.3 API 650
- 1.1.4 API 620
- 1.1.5 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 9<sup>TH</sup>)

**1.2 STRUCTURAL MATERIALS**

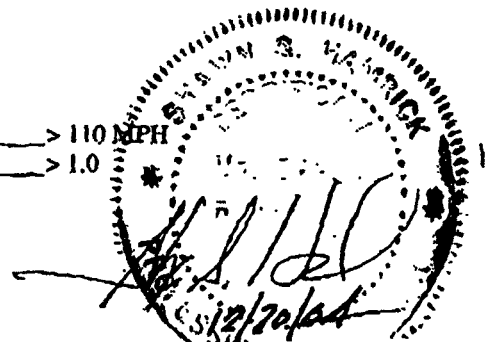
- 1.2.1 A36 STRUCTURAL STEEL

**1.3 DEAD LOAD SUMMARY**

- 1.3.1 PRODUCT LOAD S.G. \_\_\_\_\_ > 1.0
- 1.3.2 CORROSION ALLOWANCE \_\_\_\_\_ > N/A

**1.4 WIND LOADS**

- 1.4.1 BASIC WIND SPEED \_\_\_\_\_ > 110 MPH
- 1.4.2 IMPORTANCE FACTOR \_\_\_\_\_ > 1.0



**MOODY ENGINEERING, INC.**

5925 Imperial Parkway, Suite 220 • Mulberry, Florida 33860

Phone: (863) 648-0818 • (863) 648-2930 • Fax: (863) 648-4988 • E-mail: stevermei@tampabay.rr.com

BY SSH DATE 8/25/04 SUBJECT U.S. Filter Plant City SHEET No. 1 OF 6  
 CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ Facility 30,000 gal JOB NO. 04-256  
Used Oil & Oil Waters

Design Criteria:

1. API 650 (Shell, Roof, Rim Angle)
2. AISC 9th
3. 2001 FBC (ASCE 7-98) • 100 MPH, Ex.P.C., I=1.0
4. Used Oil & Oil Water (S.G. 1.0)
5. Corrosion Allowance = N/A

Volume:

$$V_1 = \frac{\pi D^2 h}{4} = \frac{\pi (14')^2 (24.0')}{4} = 36,945 \text{ ft}^3$$

$$V_2 = \frac{\pi D^2 h}{12} = \frac{\pi (14')^2 (7.0')}{12} = 958.19 \text{ ft}^3$$

$$4053.69$$

$$= 30,923.7 \text{ gal.}$$

Product Wt:

$$4053.69 \times 62.4 \times 1.0 = 252,950.26 \text{ #}$$

Vessel Wt: 20,000 #Wind Forces:

$$q_z = 0.00256 K_z K_d K_{xt} V^2 I$$

$$= 0.00256 (1.85) (1.0) (93) (110)^2 (1.0)$$

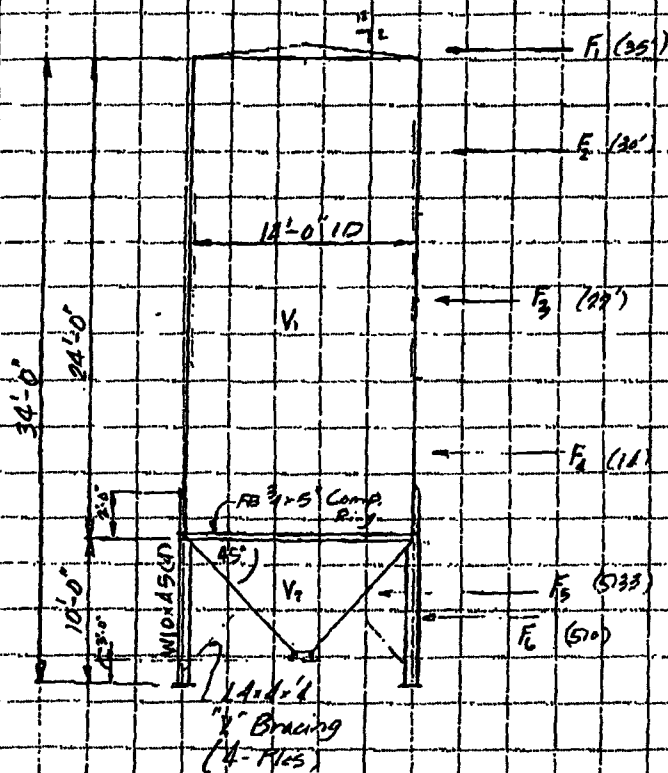
$$q_z = 31.94 \text{ psf}$$

$$q_z = 15-20 = 37 \text{ psf}$$

$$q_z = 20-25 = 38.6 \text{ psf}$$

$$q_z = 25-30 = 40.3 \text{ psf}$$

$$q_z = 30-40 = 42.74 \text{ psf}$$



## MOODY ENGINEERING, INC.

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BY SSH DATE 8/25/04 SUBJECT U.S. Filter Plant City SHEET No. 2 OF 7  
 CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ Facility 10,000 gal. JOB NO. 04-256  
Used Oil & Oil Wt. Waters

## WIND FORCES: (Cont.)

$$F = q_z G C F A_x$$

	Force #	Arm'	
$F_1 = (42.7 \text{ PSF})(.85)(.53)(16.33 \text{ Ft}^2) =$	311.4	35	= 11,005
$F_2 = (42.7 \text{ PSF})(.85)(.53)(112 \text{ Ft}^2) =$	2156.5	30'	= 64,695
$F_3 = (38.6 \text{ PSF})(.85)(.53)(112 \text{ Ft}^2) =$	1947.6	20	= 43,847
$F_4 = (38.6 \text{ PSF})(.85)(.53)(112 \text{ Ft}^2) =$	1866.8	14	= 26,136.2
$F_5 = (35 \text{ PSF})(.85)(.53)(98 \text{ Ft}^2) =$	1515.2	5.33	= 8,236
$F_6 = (35 \text{ PSF})(.85)(1.0)(13.33 \text{ Ft}^2) =$	396.6	5.0	= 1,983
	<b>ΣF</b>	<b>8227.1</b>	<b>ΣM: 154,902 Ft-LB</b>

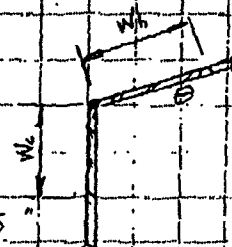
## Check Top Cone (PER API 650)

1.  $2/12$  Slope  $\therefore \sin \theta = .165$  OK
2. Min Thickness  $R = 140 = .212$  OR  $1/4$  OK  
 $\frac{400 \sin \theta}{400(.165)}$
3. Participating Area @ Roof to Shell Junction

$$A_{req'd} = D^2 \cdot \frac{(14)^2}{3000 \sin \theta} = \frac{(14)^2}{3000(.165)} = .396 \text{ in}^2$$

Per Detail "h"  $W_h = 0.6 (R_c L_c)^{.5} = 0.6 (84 \times 25)^{.5} = 2.75$ "  
 Figure F1  $W_h = 0.9 (R_c L_c)^{.5} = 0.9 (84 \times 25)^{.5} = 4.12$ "

$$A_{avail} = (25)(2.75 + 4.12) = 1.72 \text{ in}^2 > .341 \text{ in}^2 \text{ OK}$$



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Phone: (863) 648-0818 • (863) 648-2930 • Fax: (863) 648-4988 • E-mail: stevenel@tampabay.rr.com

 BY \_\_\_\_\_ DATE \_\_\_\_\_ SUBJECT \_\_\_\_\_ SHEET No. 3 OF 7  
 CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ JOB NO. \_\_\_\_\_

Check Shell (Per API 620)

$$S_{15} = 16,000 \text{ PSI}$$

$$E = .70$$

$$P_c = (1.0)(24')(1336) = 10.4 \text{ PSIG}$$

$$R_c = 24" \times 12 = 84"$$

$$C = 0$$

$$A_c = (14 \times 12)^2 \times .785 = 22,156 \text{ in}^2$$

$$W = 14,000 \text{ lb} \sim 1$$

$$T_1 = \frac{R_c}{2} \left( P_c + \frac{W \times F}{A_c} \right) = \frac{84}{2} \left( 10.4 + \frac{14,000}{22,156} \right) = 463.4$$

$$T_2 = P R_c = (10.4)(84) = 873.6$$

$$t = \frac{873.6}{(16,000)(.70)} + 0 = .078" \text{ USE } \underline{\underline{1/4" \text{ MIN.}}}$$

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Phone: (863) 648-0818 • (863) 648-2930 • Fax: (863) 648-4988 • E-mail: stevem@tampabay.rr.com

 BY \_\_\_\_\_ DATE \_\_\_\_\_ SUBJECT \_\_\_\_\_ SHEET No. 4 OF 7  
 CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ JOB NO. 01-256
Check Shell (Per API 650)

$$t_d = \frac{2.6 D (H-1) G}{S_d} + C.A.$$

$$= \frac{2.6 (14) (23.0) (1.0)}{21,800} = .0384' \text{ USE } 1/4" \text{ WALL THICKNESS}$$

Check for Nozzle Reinf. Requirements:

$$36" \text{ Nozzle} = 36" \times .043 = 1.548 \text{ in}^2$$

$$\text{Excess Shell: } (.25 - .043) (24) = 4.97 \text{ in}^2 \quad \text{OK}$$

Check Bottom Cone:

$$t_d = \frac{P R_c}{S_d} + C.A. \quad \text{where } P = .433 C H (S.G.)$$

$$= \frac{.433 (81) (1.0)}{21,800} = 13.44 \text{ PSI}$$

$$\frac{(13.44) (7.0)}{(21,800) (707)} = .0061 < .25' \quad \text{OK}$$

Compression Ring:

$$T = \frac{R_c (g + W)}{2 \left( \frac{1}{\cos^2 \theta} \right) \pi R^2 \cos^2 \theta}$$

$$W_{\text{product}} = 252,950.26 \text{ lb}$$

$$R_c = 84 / 707 = 118.81$$

$$\theta = 45^\circ$$

$$g = 24.0 \times .4336 \times 1.0 = 10.46 \text{ PSI}$$

D.:

$$T = \frac{118.81}{2} \left( 10.46 + \frac{252,950.26}{\pi (118.81)^2 (707)^2} \right) = 1299.27 \text{ lb/in} \quad \text{--- GIVEN}$$

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BY \_\_\_\_\_ DATE \_\_\_\_\_ SUBJECT \_\_\_\_\_ SHEET No. 5 OF 7  
 CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ JOB NO. 04.256

$$T_s = 10.46 \times 118.81 = 1242.75 \text{ } \mu\text{in}$$

$$T_H = T \sin \theta = 1299.27 \times .707 = 918.58 \text{ } \mu\text{in}$$

$$F_H = T_H R_c = 918.58 \times 84 = 77,161 \text{ } \mu\text{in}$$

$$\text{Area Req'd} = \frac{77161}{10,000} = 7.716 \text{ in}^2$$

$$\begin{aligned} \text{Effective Area} &= .75 \left( t_1 \sqrt{R_c t_1} + t_2 \sqrt{R_c t_2} \right) \text{ where } R_c = R = 84 = 118.81 \\ &\quad \cos \theta \cdot .707 \\ &= .75 \left( .75 \sqrt{84(.75)} + .25 \sqrt{118.81(.25)} \right) \\ &= 1.95 \text{ in}^2 \end{aligned}$$

$$\text{Additional Area Req'd} = 7.716 \text{ in}^2 - 1.95 \text{ in}^2 = 5.77 \text{ in}^2$$

$$\text{TRY F.B. } \frac{1}{2} \times 6, \quad I = \frac{bd^3}{12} = 9 \text{ in}^4 \quad \checkmark \text{ OK}$$

$$\text{F.B. } \frac{3}{4} \times 5, \quad I = 7.5 \text{ in}^4 \quad \checkmark \text{ OK} \leftarrow \text{USE}$$

SUPPORTS: TRY W10x45 w/ X-brace

$$\text{DTM: } 154,902 \text{ P.L.B.}$$

$$\text{EMPTY + Wind: } P_{WE} = \frac{-20,000}{4} + \frac{2(154,902)}{4(7)} = 6064.4 \text{ } \uparrow \text{ (Uplift)}$$

$$\text{Full + Wind: } P_{WF} = \frac{(-252,950.26 - 20,000)}{4} - \frac{6064.4}{4} = 79,902 \text{ } \downarrow \text{ (Down) USE}$$

$$\text{Full + No Wind: } \frac{252,950.26}{4} = 63,238 \text{ } \downarrow \text{ (Down)}$$

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BY \_\_\_\_\_ DATE \_\_\_\_\_ SUBJECT \_\_\_\_\_ SHEET No. 6 OF 7  
 CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ JOB NO. 04-256

Girder Design

$$a = \pi D = \pi (14.12) = 131.95", \quad h = 24", \quad \frac{a}{h} = 131.95/24 = 5.498$$

$$t = .25, \quad h/t = 24/.25 = 96$$

$$\text{Allowable Shear} = 8.6 \text{ ksi}$$

$$q = \frac{79,302}{2(24)} = 1,652 \text{ lb/in}$$

$$v = \frac{1,652}{.25} = 6,608 \text{ ksi} < 8.6 \text{ ksi} \quad \text{OK} \quad \text{No Intermediate Stiffeners Req'd.}$$

Girder Stresses

$$M = -\frac{WR}{N} \left( \frac{1}{2} - \frac{1}{2} \cot \frac{\alpha}{2} \right), \quad \alpha = \frac{2\pi}{N}$$

$$N = 4, \quad \alpha = \frac{2\pi}{4} = 1.57$$

$$M = -\frac{(79,302)(7.0)}{4} \left( \frac{1}{2} - \frac{1}{2} \cot \frac{\pi}{4} \right)$$

$$= -22,456.2 \text{ ft-lbs}$$

$$f_b = \frac{M}{S} = \frac{(22,456.2)(12)}{36.9} = 7,308 \text{ psi} \quad \text{OK}$$



## MOODY ENGINEERING, INC.

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BY \_\_\_\_\_ DATE \_\_\_\_\_ SUBJECT \_\_\_\_\_ SHEET No. 6 OF 6  
 CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ JOB NO. \_\_\_\_\_

Bracing

$$\cos \phi = \frac{14}{\sqrt{14^2 + 10^2}} = .813$$

$$\text{Wind: } T_{br} = \frac{(2)(EF)}{(N.G.) (\cos \phi)} = \frac{2(5971.88)}{(1)(.813)} = 3672.7$$

Design FOR TENSION ONLY

$$L_b = 17.2'$$

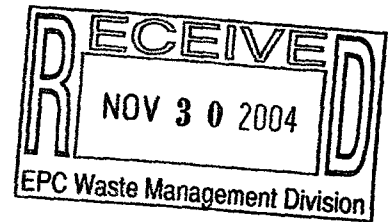
$$\Gamma_{min} = L/300 = \frac{17.2 \times 12}{300} = .688$$

$$A_{min} = \frac{2.99k}{19 \times 25} = .16 \text{ in}^2$$

Use  $4 \times 4 \times \frac{1}{4}$ 

$$A = 1.94 \text{ in}^2$$

$$r_x = r_y = 1.25"$$



**Application for the Installation or Upgrade of  
Pollutant Storage Tank Systems**

This application details the work involved in the installation or upgrade of a regulated pollutant storage tank system. **Please submit this application with the installation plans and a check or money order payable to the Environmental Protection Commission of Hillsborough County for \$150.00.** This application must be submitted to the Storage Tank Compliance Department (STC) of the Environmental Protection Commission of Hillsborough County (EPC/HC) at least 10 days prior to the initiation of the installation/upgrading activities. Please provide the STC with at least 48 hours notification prior to the initiation of the installation or upgrade (per 62-761, Florida Administrative Code (F.A.C.)). Contact Waste Management Division STC at (813) 272-5960 / Fax (813) 272/7144.

**Directions:** Complete the following as indicated. *Please note that this office cannot process incomplete applications.*

1. Facility Information

DEP Facility #	8625319
Facility Name:	USFilter Recovery Services Mid-Atlantic Inc.
Facility Address:	105 S. Alexander St. Plant City, FL 33563
Property Owner's Name:	USFilter Recovery Services Mid-Atlantic Inc.
Property Owner's Address:	14950 Hedgocrow Forest Pkwy Suite 250, Houston TX 77037
Name/Phone Number of Owner Contact:	Charles Gordon, President 281-227-9100
Operator's Name:	USFilter Recovery Services Mid-Atlantic Inc.
Operator's Address:	105 S. Alexander St. Plant City FL 33563
Name/Phone Number of Operator Contact:	Mr. Garry Allen 813-754-1504

2. The Information in this application pertains to: (check all that apply)

AST ☒ UST ☐ Upgrade ☐ New Installation ☒

October 3, 2003



3. **Site plan/Facility diagram:** The diagram should be to scale and clearly show the following:

- Location of landmarks such as roads and buildings (indicate north arrow).
- Location of the storage tank system to be installed or upgraded.
- Location and layout of facility, tanks, piping, and dispenser island placement.
- Cross section details of tank(s), dispenser liners and piping sumps.
- Tank and piping excavation; cross section indicating spacing, burial depth, and tank anchoring.

4. In lieu of completing this section, submit a completed and signed Storage Tank Registration Form (STRF). ***The facility owner or operator must sign the STRF.***

Tank ID	A/U	Capacity	Installed	Content	Status	Effective Date	Construction	Piping	Monitoring

5. A tank and line tightness test as well as a line leak detector test (if applicable) must be performed prior to placing the system in service.

6. **Pollutant Storage Systems Specialty Contractor (PSSSC): *Required only for the installation/upgrading of underground storage tank systems.***

<del>Individual Licensed as PSSSC:</del>
<del>PSSSC#:</del>
<del>Company:</del>
<del>Address:</del>
<del>Phone #</del>
<del>Site Foreman:</del>

7. **Potable Well Siting:** Persons are advised that, pursuant to Rule 62-521.400(1)(l)-(n) and (2), F.A.C., no storage tank shall be installed within 500 feet of any existing community water supply system or any existing non-transient non-community water supply system. No Category-C system (AST or UST) shall be installed within 100 feet of any other existing potable water supply well. These prohibitions shall not apply to the replacement of an existing storage tank system within the same excavation or dike field area, or the addition of new storage systems meeting the standards for Category-C systems at an existing facility. **Complete the attached "Siting for the Installation or Upgrade of Pollutant Storage Tank Systems" letter indicating compliance with these requirements.**

8. **Dewatering Information:** If dewatering is necessary and effluent is discharged off site, the contractor must obtain an Industrial Wastewater Short Term Generic Dewatering Permit from the Department of Environmental Protection. Contact Mohammed Kader at 813-744-6100, ext. 402, for more information. Please include a copy of the permit or approval with this application. *If the contractor did not obtain a permit regardless of what phase the construction is in, the EPC has the authority to shut down the dewatering activities.*
9. If this is an upgrade that requires closure assessment activities then this section can be completed in lieu of submitting a Closure Application to EPC office.

#### Field Sampling

Company Name:
Contact Name:
Phone #:
FDEP QA/QC #:
Field Technician's Name:

#### Laboratory Analysis

Contracted Laboratory:
Phone #:
Address:
Contact Name:
FDEP QA/QC #:

Indicate Company(s) transporting/disposing excavated contaminated soils. **Note:** All stockpiled contaminated soils not properly disposed within 60 days may be in violation of the Petroleum Cleanup Rule (Chapter 62-770, F.A.C.).

Transport Company:	
Contact Name:	Phone #:
Company Receiving Soil for Disposal:	
Contact Name:	
Method of Disposal:	

10. Complete detailed drawings should be submitted with the installation plans that clearly illustrate the scope of work to be performed. If sealed plans are submitted, any amendments should be resealed by the engineer or firm that originally sealed the plans.

Please provide all applicable information in the spaces provided below:


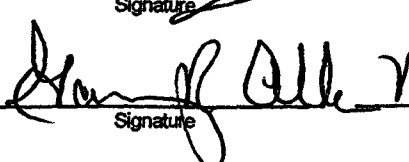
Tank Manufacturer and Model/Size	MOODY CONSTRUCTION INC, 30K-GAL
Primary Tank Construction	STEEL ABOVEGROUND
Secondary Tank/Containment Construction	N/A
Tank-Placement (underground/aboveground)	ABOVEGROUND
Piping Manufacturer and Model	N/A
Primary Piping Construction	STEEL
Secondary Piping Construction	N/A
Piping/STP Sump Manufacturer	N/A
Piping-Placement (underground/aboveground)	ABOVEGROUND
Piping Slope	N/A
Dispenser Liner Manufacturer and Model	N/A
Inline Leak Detector Manufacturer & Model	N/A
Submerged Turbine Pump Manufacturer	N/A
Shear Valve Manufacturer	N/A
Overfill Protection Manufacturer and Model	N/A
Spill Bucket Size and Manufacturer	N/A
Type of Backfill	N/A
Method of Release Detection for Tank	ABOVEGROUND IN SECONDARY CONTAINMENT
Method of Release Detection for Piping	ABOVEGROUND
Method of Release Detection for Sump	N/A
Method of Release Detection for Dispenser Liners	N/A
Buoyancy Calculations Provided (New UST Installation Only)	N/A
Misc. (isolation boots, anodes, valves, connections, etc.)	N/A

**EPC of Hillsborough County Installation Inspection Protocol**

- **A 48-hour notice is required for all inspections. To schedule an inspection, contact EPC's Waste Management Division receptionist at (813) 272-5788.**
- Be ready for your scheduled appointment. EPC inspectors will not wait for glue to dry, sumps to be filled, lines to be aired, etc.
- If you cannot keep your scheduled appointment, you must call the EPC's Waste Management Division office prior to your appointment to cancel or reschedule.
- **EPC is not the contractor's quality control.** All items scheduled to be inspected should have been tested and all necessary corrections/repairs should have been made by the contractor prior to EPC's inspection. Failed inspections must be rescheduled for the next business day.
- **Prior to placing the system in service, a final inspection must be performed on the following (if applicable):** Operability check on the sensors and probes; in-line leak detector, spill bucket, overflow protection and drop tube installed; shear valves anchored; secondary piping boots pulled back; and dispenser liners and tank sumps cleaned out. Copies of tank and/or line tightness tests must be made available at final inspection. The contractor and the owner/operator must be present for this inspection. For new facilities, a copy of the Financial Responsibility must be provided at final inspection.
- EPC sign off sheet must be available on site for the EPC inspector to sign. Upon completion of installation a PSSSC Form must be submitted to EPC.

**Signature Statement**

- I hereby certify that the information provided on this form and attached with this application is accurate and complete to the best of my knowledge, and that I have investigated all available sources of information before indicating that any details are unknown or unavailable.
- I hereby certify that the storage tank system installation or upgrade will be performed in accordance with Chapter 62-761, F.A.C., and with its adopted reference standards and documents for storage tank systems.

<i>MILTON J. WOODS, G.M.P.</i> <i>DAN J. MANN</i>		<i>11/20/04</i>
Print name of contractor/authorized agent	Signature	Date
<i>GARY P. ALLAN</i>		<i>November 19, 2004</i>
Print name of owner/operator	Signature	Date

**Owner/operator and contractor must be on site during the final inspection.**

For office use only: Attach a copy of PCT information to this application.

## Siting for the Installation or Upgrade Of a Pollutant Storage Tank Systems

Facility Name: USFilter Recovery Services Mid-Atlantic, Inc.

Facility Address: 105 S. Alexander St., Plant City FL 33563

Property Owner's Name: USFilter Recovery Services Mid-Atlantic, Inc.

Property Owner's Address: 14950 Heathrow Forest Pkwy Suite 250  
Houston, TX 77032

Phone Number of Owner: 281-227-9100

Contractors Name: MILTON J. WOOD COMPANY

Contractors Number: CGC 014794

**62-761.500 (1) (a) Florida Administrative Code (F.A.C.) Siting**

**(Check the applicable paragraph below)**

Persons are advised that, pursuant to Rule 62-521.400(1)(l)-(n) and (2), F.A.C., no storage tank shall be installed within 500 feet of any existing community water supply system or any existing non-transient non-community water supply system. No Category-C system (AST or UST) shall be installed within 100 feet of any other existing potable water supply well.

✓ These prohibitions shall not apply to the replacement of an existing storage tank system within the same excavation or dike field area, or the addition of new storage systems meeting the standards for Category-C systems at an existing facility.

### Signature Statement

**I have investigated and surveyed all available sources of information concerning siting for this installation. I hereby certify that the siting for the storage tank system installation or upgrade is in accordance with Chapter 62-761, F.A.C., and it is accurate and complete to the best of my knowledge.**

MILTON J. WOOD Camp.

DAN T. JONES  
Print name of contractor/authorized agent

GARRY R. ALLEN  
Print name of owner/operator

Signature CO/H Date 11/30/04

Signature \_\_\_\_\_ Date \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

# Permit Document Routing Sheet

Index Date	Document Type	EPAID	Document Date
6/20/2005	PERMIT APPLICATION	FLD065680613	2005.06.20
PERMIT_NUMBER	PROJECT_MANAGER	Name	
	<i>[Signature]</i> Kothur, b	US FILTER REC SER MID ATLANTIC	
Subject: APPLICATION FORM FOR A USED OIL PERMIT			

## RCRA Permitting Routing Slip

TO NAME INITIALS DATE

<input type="checkbox"/>	BAHR, Timothy		
<input type="checkbox"/>	Ashwood, Janet		
<input type="checkbox"/>	Outley, Debra		
<input checked="" type="checkbox"/>	PUTCHA, Subra		
<input type="checkbox"/>	Law, Tina		
<input type="checkbox"/>	Simmons, Juliette		
<input type="checkbox"/>	BAKER, Brian		
<input type="checkbox"/>	Cook, Bob		
<input type="checkbox"/>	Davis, Stacie		
<input type="checkbox"/>	Graves, Shelton		
<input type="checkbox"/>	Kaharoeddin, Ami		
<input type="checkbox"/>	Madrid, Nicanor		
<input type="checkbox"/>	Stein, Camille		
<input checked="" type="checkbox"/>	OUTLAW, Doug	<i>[Signature]</i>	6/21/05
<input type="checkbox"/>	Echevarria, Edgar		
<input type="checkbox"/>	Griffin, John		
<input checked="" type="checkbox"/>	Kothur, Bheem	<i>[Signature]</i>	6/21/05
<input type="checkbox"/>	Kulkarni, Tara		
<input checked="" type="checkbox"/>	Prusty, Rabin		
<input type="checkbox"/>	Register, Harold		
<input type="checkbox"/>	Thursby, Kimberly		

*Don't you get it*

*PYS*

Document Index Number (docdruid) : 1.98208.1

Monday, June 20, 2005





5690 West Midway Rd.  
Ft. Pierce, FL 34981

Phone 772-468-2300  
Fax 772-468-9328

June 13, 2005

Certified Mail: 7004 2890 0003 9385 3959 - Tallahassee  
7004 2890 0003 9385 3966 - SWD

Florida Department of Environmental Protection  
Bureau of Solid and Hazardous Waste  
Hazardous Waste Regulation Section  
Attn: Environmental Administrator - MS 4560  
2600 Blairstone Road  
Tallahassee, Florida 32399-2400

RECEIVED  
RCRA

JUN 17 2005

Hazardous Waste Regulation

RE: Used Oil Processor Modification Application  
USFilter Recovery Services (Mid-Atlantic), Inc.  
105 South Alexander Street, Plant City, Florida 33566  
FLD 065 680 613

USFilter Recovery Services (mid-Atlantic), Inc is please to submit three (3) copies of our Used Oil Processor Modification Application for our Plant City Facility. One of the copies has been submitted to the FDEP Southwest District Office in Tampa as discussed on June 10, 2005. This modification is for the addition of three (3), 30,000 gallon aboveground storage tanks. Additionally, to meet the new financial assurance requirements set for the in 62-710.800 (6), we have provided a detailed Closure Plan and Closure Cost Estimate. The modification includes a table indicating page for page changes that have been made in reference to the new tanks, Closure Plan and Closure Cost Estimate.

An Application for the Installation of a Pollutant Storage System along with a Tank Registration has been provided to Hillsborough County Environmental Protection Commission (EPC). A copy of the County's approval to commence work has been enclosed for your review. Upon final inspection and approval of the EPC, we will provide written notification to the Department.

If you have any questions, or require additional information, please contact myself or Carol Kessler at the above number. Thanks in advance for your attention to this submittal.

Respectfully,

Catherine Porthouse  
Regional EH&S Manager  
USFilter Recovery Services (Mid-Atlantic), Inc.

CAP:bms

Enclosure

cc: Carol Kessler - USFRSMA  
Garry Allen - USFRSMA  
Al Gephart - FDEP SW District

