

June 17, 2013

Mr. Bheem Kothur, PE Hazardous Waste Section Florida Department of Environmental Protection 2600 Blair Stone Rd Tallahassee, FL 32399-2400

RE: FCC Environmental, LLC, Pompano Beach Florida Facility EPA ID No. FLD 065 680 613 Used Oil Processor Permit 0030676-HO-005 Permit Renewal Applications

Dear Mr. Kothur:

Please find the enclosed application package for the above referenced permit. One original and one copies have been included. Also please find the enclosed checks for the permit fee.

Should you have questions please contact me at 813-335-5341 or email at scott.crandall@fccenvironmental.com.

Respectfully FCC Environmental

Scott Crandall, PE Regional EH&S Director

Cc: FDEP Southwest District Office

105 South Alexander St, Plant City Florida 33563

FCC Environmental Plant City, FL Index

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APPLICATION FORM FOR A USED OIL PROCESSING FACILITY PERMIT

Part 1

TO BE COMPLETED BY ALL APPLICANTS (*Please type or print*)

A. General Information

1. New_____ Renewal <u>XX</u> Modification_____

Date old permit expires <u>08/20/2013</u>

2. Revision number $\underline{1}$

3. NOTE: Processors must also meet all applicable subparts, (describe compliance in process description for applicable standards) if they are:

_____generators (Subpart C) _____X transporters (Subpart E) under EPA ID TXR 000 078 094 ______burners of off-spec used oil (Subpart G) _____X marketers (Subpart H) or ____X disposing of used oil (Subpart I)

- 4. Date current operation began: <u>5/1/1980</u>
- 5. Facility Name: FCC Environmental, LLC
- 6. EPA identification number: FLD 065 680 613
- 7. Facility location or street address: 105 S. Alexander Street, Plant City, FL 33563
- 8. Facility mailing address: 105 S. Alexander Street, Plant City, FL 33563
- Contact person: <u>Angelo Pousa</u>: (813)-754-1504 Title: <u>Area Manager</u> Mailing address: 105 S. Alexander Street, Plant City, FL 33563
- Operator's name: <u>FCC Environmental. LLC</u> Telephone: <u>281-668-3300</u>
 Mailing address: <u>523 N. Sam Houston Parkway East</u>, <u>Suite 400</u>, <u>Houston</u>, <u>TX 77060</u>
- 11. Facility owner's name: FCC Environmental, LLC Telephone: 281-668-3300

Mailing address: 523 N. Sam Houston Parkway East, Suite 400, Houston, TX 77060

- 12. Legal Structure:
 - <u>XX</u> corporation (indicate state of incorporation) <u>Delaware</u>
 - _____ individual (list name and address of each owner in spaces provided below)
 - _____ partnership (list name and address of each owner in spaces provided below)
 - _____ other, e.g. government (please specify) _____

	individual, partnership, or business is operating under an assumed name, enter the county and state e the name is registered: County State
Name	2:
Maili	ng Address:
Name	2:
Maili	ng Address:
Name	2:
Maili	ng Address:
Name	2:
Maili	ng Address:
13.	Site ownership status: [X] owned [] to be purchased [] to be leased
	If leased, indicate: Landowner's name: NA Mailing address: NA
14.	Name of professional engineer: Scott Crandall Registration No.: 44650
	Mailing Address: 105 South Alexander Street, Plant City, FL 33563
	Associated with: FCC Environmental, LLC
B.	SITE INFORMATION
1.	Facility location: 105 S. Alexander Street, Plant City, FL 33563County: HillsboroNearest community: Plant City, FLLatitude: 28° 0'42.8" NLongitude: 82° 08' 21.1" WSection: 30Township: 28SRange: 22EUTM # : 17173030303030303030303010301117387997.03098871.8

2. Facility size(area in acres): 10.0

3. Attach a topographic map of the facility area and scale drawing and photographs of the facility showing the location of all past, present and future material and waste receiving, storage and processing areas, including size and location of tanks, containers, pipelines and equipment. Also show incoming and outgoing material and waste traffic pattern including estimated volume and controls.

C. OPERATING INFORMATION

- 1. Hazardous waste generator status (SQG, LQG) <u>CESQG</u>
- 2. List Applicable EPA hazardous waste codes:

D001, D004, D006, D007, D008, D018, D039, F001, F003, F005, F006 and F007 (Tank bottoms may be characteristic)

3. Attach a brief description of the facility operation, nature of the business, and activities that it intends to conduct, and the anticipated number of employees. No proprietary information need be included in this narrative.

A brief description of the facility operation is labeled as Attachment 1

4. Attach a detailed description of the process flow should be included. This description should discuss the overall scope of the operation including analysis, treatment, storage and other processing beginning with the arrival of an incoming shipment to the departure of an outgoing shipment. Include items such as size and location of tanks, containers, etc. A detailed site map, drawn to scale, should be attached to this description. (See item 4, page 4).

The facility's detailed process description is labeled as Attachment: 2

5. The following parts of the facility's operating plan should be included as attachments to the permit application. (See item 5 on pages 4 and 5):

- **a.** An analysis plan which must include:
 - (i) a sampling plan, including methods and frequency of sampling and analyses;
 - (ii) a description of the fingerprint analysis on incoming shipments, as appropriate; and (iii) an analysis plan for each outgoing shipment (one batch/lot can equal a shipment,
 - provided the lots are discreet units) to include: metals and halogen content.

The analysis plan is labeled as Attachment 3

b. A description of the management of sludges, residues and byproducts. This must include the characterization analysis as well as the frequency of sludge removal.

Sludge, residue and byproduct management description is labeled as Attachment $\underline{4}$

c. A tracking plan which must include the name, address and EPA identification number of the transporter, origin, destination, quantities and dates of all incoming and outgoing shipments of used oil.

The tracking plan is included as Attachment 5

6. Attach a copy of the facility's preparedness and prevention plan. This requirement may be satisfied by modifying or expounding upon an existing SPCC plan. Describe how the facility is maintained and operated to minimize the possibility of a fire, explosion or any unplanned releases of used oil to air, soil, surface water or groundwater which could threaten human health or the environment. (See item 6, page 5).

The preparedness and prevention plan is labeled as Attachment $\underline{6}$

7. Attach a copy of the facility's Contingency Plan. This requirement should describe emergency management personnel and procedures and may be met using a modifying or expounding on an existing SPCC plan or should contain the items listed in the specific instructions. (see item 7 on pages 5 and 6).

The contingency plan is labeled as Attachment <u>6</u>

8. Attach a description of the facility's unit management for tanks and containers holding used oil. This attachment must describe secondary containment specifications, inspection and monitoring schedules and corrective actions. This attachment must also provide evidence that all used oil process and storage tanks meet the requirements described in item 8b on page 6 of the specific instructions, and should be certified by a professional engineer as applicable.

The unit management description is labeled as Attachment 7

9. Attach a copy of the facility's Closure plan and schedule. This plan may be generic in nature and will be modified to address site specific closure standards at the time of closure. (See item 9, pages 6 and 7).

The closure plan is labeled as Attachment 8

10. Attach a copy of facility's employee training for used oil management. This attachment should describe the methods or materials, frequency, and documentation of the training of the employees in familiarity with State and Federal rules and regulations as well as personal safety and emergency response equipment and procedures. (See item 10, page 7).

A description of employee training is labeled as Attachment 9

 DEP Form#
 62-710.901(6)(a)

 Form Title
 Used Oil Processing Facility

 Permit Application

 Effective Date
 June 9, 2005

APPLICATION FORM FOR A USED OIL PROCESSING PERMIT

PART II - CERTIFICATION

TO BE COMPLETED BY ALL APPLICANTS

Form 62-710.901(a). Operator Certification

FCC Environmental, LLC Facility Name: FLD 065 680 613 EPA ID#

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment or knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, Chapters 62-701 and 62-710, F.A.C., and all rules and regulations of the Department of Environmental Protection

Signature of the Operator or Authorized Representative*

Scott Crandall, Director of EHS

Name and Title (Please type or print)

06/17/13 Date:_____ Telephone: (____)

* If authorized representative, attach letter of authorization.

 DEP Form#
 62-710.901(6)(b)

 Form Title
 Used Oil Processing Facility

 Permit Application

 Effective Date
 June 9, 2005

APPLICATION FROM FOR A USED OIL PROCESSING PERMIT

PART II - CERTIFICATION

Form 62-710.901(b). Facility Owner Certification

FCC Environmental, LLC

FLD 065 680 613 EPA ID#

This is to certify that I understand this application is submitted for the purpose of obtaining a permit to construct, or operate a used oil processing facility. As the facility owner, I understand fully that the facility operator and I are jointly responsible for compliance with the provisions of Chapter 403, Florida Statutes, Chapters 62-701 and 62-710, F.A.C. and all rules and regulations of the Department of Environmental Protection.

Signature ø Owner or Authorized Representative*

Scott Crandall, Director of EHS

Facility Name:

Name and Title (Please type or print)

06/17/13 Date:_____ Telephone: (____)____

* If authorized representative, attach letter of authorization.

 DEP Form#
 62-710.901(6)(c)

 Form Title
 Used Oil Processing Facility

 Permit Application

 Effective Date
 June 9, 2005

APPLICATION FROM FOR A USED OIL PROCESSING PERMIT

PART II - CERTIFICATION

Form 62-710.901(c) Land Owner Certification

FCC Environmental, LLC

FLD 065 680 613 EPA ID#

This is to certify that I, as land owner, understand that this application is submitted for the purpose of obtaining a permit to construct, or operate a used oil processing facility on the property as described.

Facility Name:

Signature of the Land Owner or Authorized Representative*

Scott Crandall, Director EHS

Name and Title (Please type or print)

06/17/13 Date: Telephone: (1)

* If authorized representative, attach letter of authorization.

 DEP Form#
 62-710.901(6)(d)

 Form Title
 Used Oil Processing Facility

 Permit Application

 Effective Date
 June 9, 2005

APPLICATION FORM FOR A USED OIL PROCESSING PERMIT

PART II - CERTIFICATION

Form 62-710.901(d) P. E. Certification [Complete when required by Chapter 471, F.S. and Rules 62-4.050, 62-761, 62-762, 62-701 and 62-710, F.A.C.]

Use this form to certify to the Department of Environmental Protection for:

- 1. Certification of secondary containment adequacy (capacity), structural integrity (structural strength), and underground process piping for storage tanks, process tanks, and container storage.
- 2. Certification of leak detection.
- 3. Substantial construction modifications.
- 4. Those elements of a closure plan requiring the expertise of an engineer.
- 5. Tank design for new or additional tanks.
- 6. Recertification of above items.

Please Print or Type

Initial Certification -

X Recertification

1. DEP Facility ID Number: FLD 065 680 613

2. Tank Numbers: Table 1

3. Facility Name: FCC Environmental, LLC

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

This is to certify that the engineering features of this used oil processing facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Protection.

1 8		
CAL	D	
Signature Scott Crandall		
Name (please type)	1	

Florida Registration Number: 44650

Mailing Address: 105 South Alexander St.

	Street or P. O. Box								
	Plant Ci	ity F	<u> </u>	33563					
	City	St	ate	Zip					
Date: 06/17/13		Felephone 813)	335-5341						

[PLEASE AFFIX SEAL]

REVOCATION AND DELEGATION BY AN OFFICER OF FCC ENVIRONMENTAL LLC TO AN EMPLOYEE OF LIMITED SIGNATORY AUTHORITY

April 25, 2011

FCC Environmental, LLC (previously known as Hydrocarbon Recovery Services Inc.) (the "Company") engages in a number of business activities that require the permitting and licensing by State and/or Federal agencies or authorities. As specified by applicable permit conditions or federal, state or local law, it is important to ensure that the appropriate personnel have been designated authority to sign all environmental permits, licenses, or other related documentation or certifications.

I, Aurelio Blasco Lazaro, hereby certify that I am President of the Company and that as such I am authorized to sign documents and to certify on behalf of the Company the accuracy and completeness of information in such documents. Pursuant to the power vested in me, I hereby

REVOKE a delegation of limited signatory authority granted on July 31, 2008, on behalf of <u>Ken Cherry and John Coyne</u>, a copy of which is enclosed herein.

DELEGATE, to the extent indicated below, a portion of that authority to the person listed below. This delegation is effective until revoked in writing. Authority delegated to:

Each of <u>Ken Cherry and Scott Crandall</u> as signatory below (each, a "<u>Grantee</u>") and independent of one another, all the powers and duties assigned to make, execute, authenticate, acknowledge and deliver any environmental permit, license, or other related documentation or certifications, or renewals thereof, that the Grantee may deem necessary or proper in connection with the business and affairs for the Company.

The Grantee shall have no authority hereunder to further delegate such powers and duties. This delegation may be rescinded at any time by the President of the Company or the Board of directors of the Company.

Grantee:

Ken Cherry/as Grantee

Aurelio Blasco Lazaro, its President

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 1 FACILITY DESCRIPTION

FCC Environmental, LLC (FCC) is a full service environmental remediation company specializing in a complete array of extraction, decontamination, transport, and treatment services. Fomento de Construcciones y Contratas, S.A. of Spain acquired Hydrocarbon Recovery Services Inc. (HRSI) and the International Petroleum Corporation of Delaware (IPC) in March of 2008 from the Siemens Water Technologies Corporation. HRSI changed its legal name to FCC on July 1, 2010. The FCC Plant City facility, located in Hillsborough County, is registered with the Florida Department of Environmental Protection (FDEP) as a used oil/used oil filter transfer facility, processor, marketer and off-specification fuel oil burner. In addition, the facility had a solid waste transfer station permit issued on May 7, 2009.

The Plant City facility is comprised of a used oil recycler, an industrial water pretreatment facility and storage tanks for the handling of used oil, used oil filter crushing operations, petroleum contact water and oily wastewater business. Materials are brought to the facility primarily by FCC; however, third party deliveries from common carriers or independent used oil transporters may be accepted in accordance with the Waste Analysis Plan (see Attachment 3). FCC is a registered used oil and used oil filter transporter in addition to a State approved hazardous waste transporter.

The main plant operations are oil recycling, which includes atmospheric and vacuum distillation, industrial water pretreatment using a dissolved air flotation (DAF) unit, and truck and railcar unloading and loading. Used oil filter management is also performed at the site, which includes crushing, oil extraction, and bulking of scrap metals for recycling. Recycled oils processed in the facility are sold as burner fuel (for energy recovery) and flotation oils (for recovery of phosphates), thus completing the full recycling of used oil.

The FCC Plant City facility has 23 registered and regulated tanks: 14 in the South Tank Farm (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 20V, 24k); 8 in the West Tank Farm (C1, C2, C3, 552, 20KV, 30KV, 10k, D5k); and 1 self-contained (630). In addition there are two (2) non-regulated tanks sharing the West Tank Farm area (10V, 82V) and a refinery/water treatment containment area with process equipment including 2 non-regulated tanks (SKE, SKW). All are aboveground storage tanks constructed of steel and equipped with secondary containment. Storage tank registrations have been obtained by



FCC and are kept on file at the facility. All tanks are kept in compliance with 62-762 Florida Administrative Code.

The FCC fleet in Florida is presently comprised of the following vehicles: 12 pick-up trucks, 27 used oil trucks, 14 vacuum trucks, 5 combination vacuum/box trucks, 11 tractors, 12 box trucks, 3 emergency vehicles, 17 roll-off boxes, 3 dump trailers, 12 box trailers, 19 oil tank trailers, 2 roll-off trailers, 5 vacuum trailers, 3 backhoes, and 2 loaders. The FCC fleet resources and facility locations will vary over time in response to changing business conditions, material handling requirements, and vehicle replacement schedules.

The following vehicles are usually parked at the Plant City facility: 8 tanker trailers, 6 tanker trucks, 4 vacuum trucks, 5 box trucks, 6 tractors, 4 storage trailers, 3 pick ups, and 1 flatbed.

FCC-Plant City currently has 35 employees related to the oil business (including sales or accounting staff). The names of the Plant City employees are provided in tabular form in Attachment 9, along with FCCs training requirements.

MATERIALS PROCESSSED

The materials processed at the Plant city facility are discussed below.

Used Oil and Contaminated Petroleum Products

Used oil and contaminated petroleum products including off-specification virgin fuels, are processed for recycling as an on-specification (as defined by 40 CFR 279.11) fuel oil using a multi-stage distillation system (See Process Description, Attachment 2). Water that is distilled from the used oil is pretreated in the wastewater pre-treatment unit prior to discharge to the Plant City POTW (under Industrial User effluent Permit No. 05-2008). The light distillate, comprised of primarily naptha, is burned in the furnace on-site to provide energy for the recycling process (see Waste Analysis Plan, Attachment 3, and Tracking Plan, Attachment 5).

<u>Used Oil Filters</u>

Used oil filters are drained, crushed/cubed and shipped off-site for metal recycling. FCC may receive uncrushed or pre-crushed filters from customers or other FCC Florida facilities for processing and subsequent recycling activities. The oil recovered from the used filters is recovered and recycled with the used oil that is received from off-site generators (see Tracking Plan, Attachment 5).

<u>Petroleum Contact Waters</u>

Per Florida Statute 376.303, 403.721, and Florida Administrative Code 62-740.030 (Definitions) "Petroleum Contact Water" or "PCW" means water-containing product.



"Product" means petroleum product as defined in Section 376.301(16) F.S. By definition, PCW is a product, or water in contact with product which displays a visible sheen contained in spill containment and secondary containment areas associated with petroleum tank storage, petroleum transportation, and petroleum distribution systems. Other examples of PCW (as defined by F.A.C.) include:

- 1. Condensate from underground and above ground petroleum storage tanks;
- 2. Water bottoms or drawdown water from a petroleum tank system as defined in Chapters 62-761 and 62-762 F.A.C;
- 3. Petroleum tank filler sump and dispenser sump water;
- 4. Recovered product or water in contact with product, which does not contain hazardous constituents other than petroleum, from first response action to petroleum spills or from petroleum contaminated site cleanups under Chapter 62-770 F.A.C.;
- 5. Above ground petroleum tank seal leakage water; and
- 6. Pumpable liquids from petroleum tank cleaning operations.

FCC receives all six different above referenced PCW type water/product. PCW is pretreated in the wastewater pre-treatment unit (D.A.F.) prior to discharge to Plant City POTW. Product recovered during pretreatment is recycled with other recovered used oil.

Waste Antifreeze (Glycol and Water Mixtures)

Used antifreeze and antifreeze contaminated with used oil is received by the Plant City facility for recycling. FCC does not accept used antifreeze that fails a TCLP or that is RCRA regulated. Antifreeze contaminated with used oil may be processed with used oil in the distillation system. Recovered antifreeze is bulked prior to being transported for off-site recycling. Bulked antifreeze is sent via tanker truck or rail car to a licensed recycle facility.

Petroleum Contaminated Material: (oily wastes per 62-710.201, FAC)

Oily wastes, as defined in 62-710.201, FAC, are materials that are mixed with used oil and have become separated from that used oil. Oily wastes also means materials, including wastewaters, centrifuge solids, filter residues or sludges, bottom sediments, tank bottoms, and absorbents which have come in contact with, and have been contaminated by, used oil. This definition includes materials such as oily rags, granular absorbent, absorbent clay and other organic absorbent material (from Florida fact sheet, 06-02-97, management of used oil and used oil filters).



Other oily wastes such as soils, sludges, absorbents and other materials containing recoverable used oil are processed by FCC. Any oil recovered from this material is handled in the facility's used oil process. The recovered solids are bulked, profiled, sampled as needed, transported for disposal in either a State permitted landfill or thermal treatment facility.

Petroleum contaminated soils, sludge, debris, personal protective equipment (P.P.E.) or other non-hazardous waste streams are managed by FCC under the Solid Waste Transfer Station Permit. Solid wastes, that do not contain recoverable used oil are received in drums and offloaded at the solid waste transfer station (southeast area). (Drums containing oil filters are separated and handled according to the Used Oil Filter process.)



Plant City Permit June 2013, Revision 1

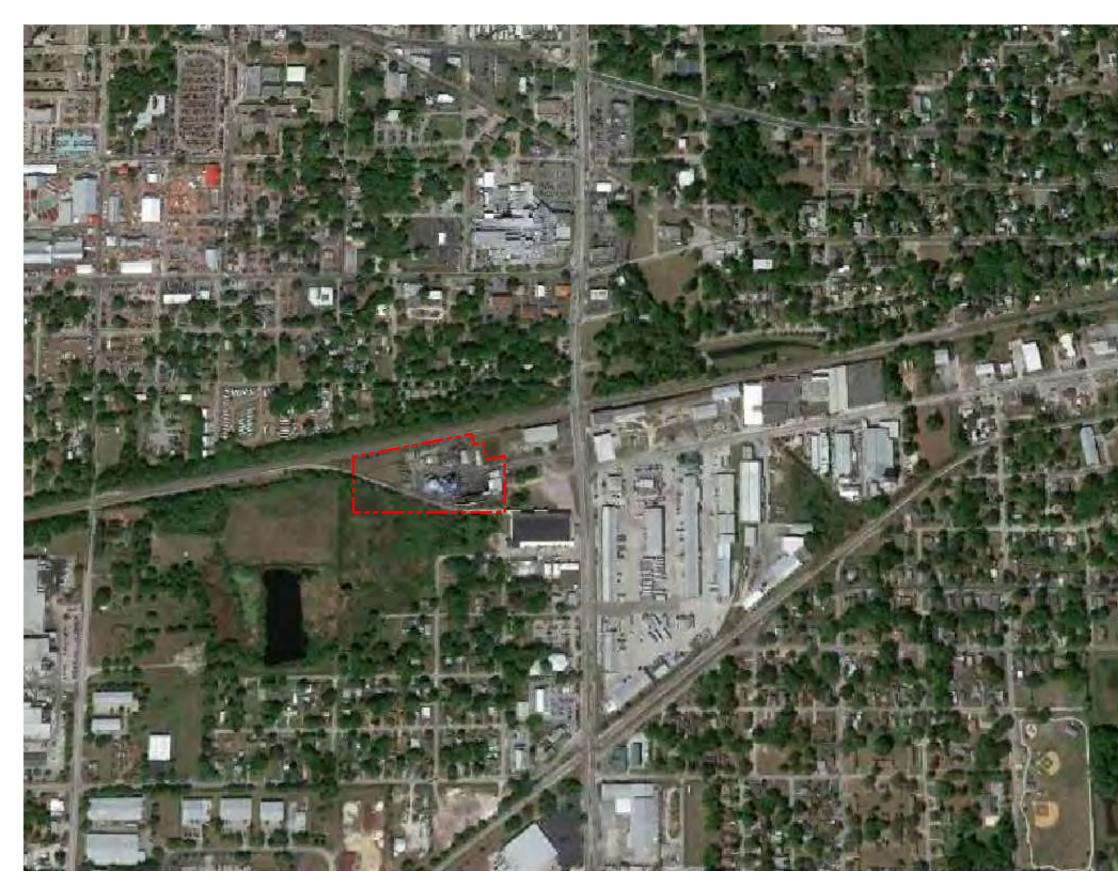
Table 1

Summary of Aboveground Storage Tanks FCC Environmental – Plant City Facility Plant City, Florida

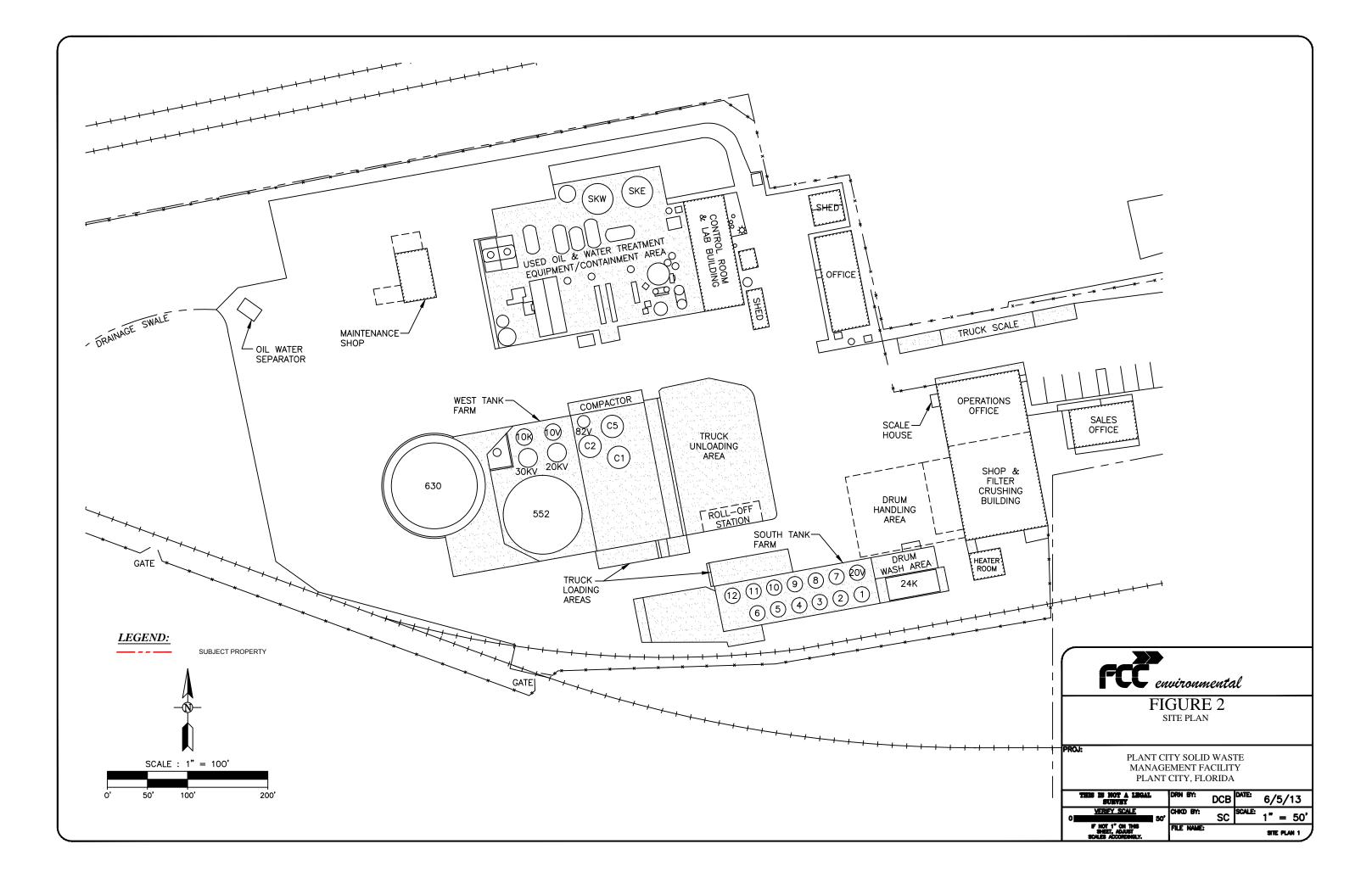
Tank ID Number	Volume (Gallons)	Material Stored	Alternate Material Stored*	Date Installed		
South Tank Farm						
1	14,700	Residual Oils, 5	Antifreeze	5/1980		
2	14,700	Used Oil	Residual Oils, 5	5/1980		
3	15,000	Used Oil	Residual Oils, 5	5/1980		
4	15,000	Used Oil	Residual Oils, 5	5/1980		
5	15,000	Used Oil	Residual Oils, 5	5/1980		
6	18,800	Used Oil	Residual Oils, 5	5/1980		
7	14,100	Used Oil	Residual Oils, 5	5/1980		
8	14,100	Used Oil	Residual Oils, 5	5/1980		
9	14,700	Used Oil	Residual Oils, 5	5/1980		
10	14,700	Used Oil	Residual Oils, 5	5/1980		
11	18,800	Used Oil	Residual Oils, 5	5/1980		
12	24,000	Used Oil	Residual Oils, 5	5/1980		
20V	20,700	Antifreeze	Used Oil	5/1980		
24K	24,000	Used Oil	Residual Oils, 5	5/1980		
West Tank Farm		· ·				
C1	30,000	Used Oil	Residual Oils, 5	6/2005		
C2	30,000	Used Oil	Residual Oils, 5	6/2005		
C3	30,000	Used Oil	Residual Oils, 5	6/2005		
552	500,000	Number 5 Oil	Residual Olis, 5	7/1989		
20KV	20,000	Used Oil				
30KV	30,000	Used Oil	Residual Oils, 5	7/1989 5/1989		
10K	10,000	Truck Diesel	Residual Oils, 5	7/1989		
D5K	5,000	Oily Water	Residual Oils, 5	1/1999		
10V	10,000	Rainwater (non- regulated)		7/1989		
82V	8,200	Rainwater (non- regulated)		7/1989		
Refinery Area						
SK-W	44,650	Oily Water (non- regulated, wastewater treatment/processing)		7/1987		
SK-E	44,650	Oily Water (non- regulated, wastewater treatment/processing)		9/1987		
Tank T-630 "Tank within a Tank"						
T-630	630,000	Used Oil	Residual Oils, 5	9/1999		

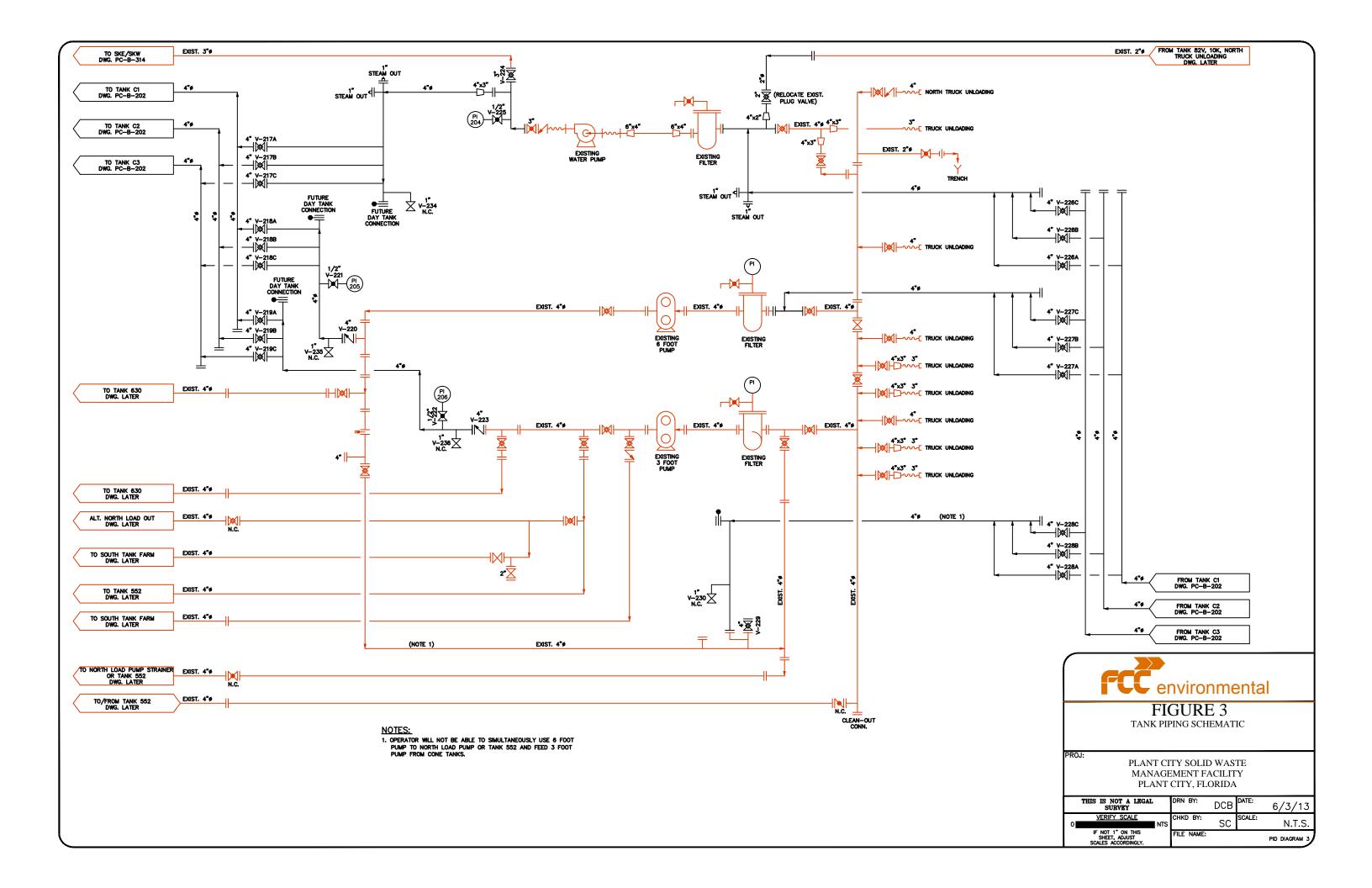
*Tank may be cleaned and used to alternate materials as needed. Tank labeling is changed when materials stored are changed.





	LEGEND		DPERTY
15			
	FCC en	viro <i>nment</i> al	
	FIC SITE V	JURE 1 VICINITY MAP	
1	PRÔJ: Plant ci	TY SOLID WASTE	
100	MANAGE PLANT	EMENT FACILITY CITY, FLORIDA	
L. E. 308	THIS IS NOT A LEGAL SURVEY VERIFY SCALE	DRN BY: DCB DAT	0/5/13
	U SUPER ACCORDINGLY.	CHKD BY: SC FILE NAME:	N.T.S.
	SHEET, ADJUST SCALES ACCORDINGLY.		STE PLAN 1





FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 2 PROCESS DESCRIPTION

This attachment presents a detailed description of the facility process operations. The description includes the overall scope of operation including treatment, storage, and other processing.

FCC occupies the address at 105 South Alexander Street and operates the fleet, under the same business name, which collects used oils, oily wastes, PCWs, off-specification fuels, used oil filters and antifreeze from generators and transports them to the facility. The same fleet is used to deliver recycled/refined products to customers. The Waste Analysis Plan describes the sampling and analysis of used oils, oily wastes, antifreeze, products and byproducts.

When first entering FCC (off Alexander Street in Plant City), the operations office/garage is located on the left (see attached Site Maps presented as Figure 1 and 2). On the left (to the south) are the storage tanks 24K, 1-12 and 20V, some of which are used as day tanks and some of which are used for blending of virgin petroleum products with recycled on-specification used oil. The west tank farm, across from the facility's entrance, is where tanks C1, C2 and C3 cone-bottom day tanks are located. The West Tank Farm contains tanks 552, C1, C2, C3, 30 KV, 20 KV, 10K, D5K and non-regulated tanks 10V and 82V. Tank 552 on the south side of the west tank farm stores the recycled on-specification No. 5 fuel oil. Day tanks C1, C2 and C3 store used oil and oily water. Tank 630 is located behind the west tank farm and is the primary storage of used oil (Tanks 2, 3, 4, 7, 8, and 9 may serve as day tanks). On the north side of the property is the oil processing area, which includes the water treatment plant, laboratory and control room. The petroleum tank storage areas are illustrated in the Spill Prevention, Countermeasure and Control Plan (see Attachment 6), which shows the tanks, locations, identification numbers, and a corresponding table identifying capacity.

For materials picked up by FCC, all used oil and oily wastes are first checked in the field using halogen-screening equipment prior to acceptance into the Plant City facility (see Waste Analysis Plan, Attachment 3). All third party deliveries are checked for halogen content again upon arrival at the facility and prior to offloading. Upon arrival at the facility, and prior to offloading, the halogen content may again be checked by facility personnel (per the Waste Analysis Plan). In addition, the materials may be checked for percent water and flashpoint. Upon delivery to Plant City, incoming materials may be transferred via above ground piping to isolated day tanks, Tanks C1, C2, C3, 2, 3, 4, 6, 7,



8, 9, 10, 11 or 12 (all marked "Used Oil"), and analyzed for the presence of Polychlorinated Biphenyls (PCBs) as a composite sample daily. Only when analytical results showing that the material contains no PCBs have been received will the material be transferred to Tank T-630 (marked "Used Oil").

All petroleum and processing piping is aboveground. Off-loading may be conducted via a pumping system equipped with filter baskets to remove the large particles (up to 40 Mesh). Filter media or lint is periodically cleaned out, drummed or bulked, characterized and sent for disposal.

OIL PROCESSING

Flow of the oil in tank T-630 comes from a pipeline at the dead bottom or 2-1/2 foot elevation and is sent to the oil processing area. Since tank T-630 utilizes a circulating pump, the oil is distributed and mixed uniformly from the bottom to the top (resulting in a homogenous mixture). When oil first enters the processing area, it goes through an atmospheric column, then through a vacuum distillation column, and is pumped to tank 30 KV. The operators monitor water by distillation and flash point of the dehydrated oil during production. The processed oil is then transferred (typically once a day) from tank 30 KV to tank 552, where it is sampled and tested daily for the used oil on-specification criteria (see Waste Analysis Plan). After the oil has met all of the on-specification criteria, the oil in the tank is released for shipment or further blending.

FCC produces two primary re-processed oil products; a fuel oil that is equivalent to virgin No. 5 Fuel Oil, and a flotation oil for the phosphate mining industry. Both products meet the USEPA criteria for on-specification used oil fuel. The No. 5 Fuel Oil may be blended with other virgin fuels to make a variety of customer-specific fuels.

Water distilled from the used oil is pumped to tanks SKW and SKE. This water is pretreated prior to discharge according to the Industrial User Effluent Permit.

Any vapor that is not condensed is combusted in the thermal oil heater that provides heat for the recycling process. The light hydrocarbons that are condensed (comprised mostly of naptha) are low flashpoint, distillate that is utilized as the primary fuel in the heater. These distillates are a byproduct of used oil processing to produce recycled fuel oil and are often burned onsite as fuel as a co product. While there is not explicit regulatory definition of the term "co-product," the preamble of the 1985 definition of solid waste considered a co-product, as distinct from a by-product, under RCRA. The preamble describes co-products as "materials produced intentionally, and which in their existing state are ordinarily used as commodities in trade by the general public" (50 FR 625, January 4, 1985). The heater is operated under a FDEP-approved Hillsborough County EPC Air Operating Permit (0570296-006-AO). The application for the air permit included a detailed description of both the liquid fuels and the non-condensed vapor



burned in the heater. Annual air stack monitoring is performed on the heaters emissions, as required by the air permit.

USED OIL FILTERS

Used oil filters are received crushed or un-crushed in 55-gallon drums or other approved DOT containers. The drummed oil filters are stored in or outside the garage area (southeast area of property, please see the Site Maps at the end of this attachment). Drums of uncrushed of filters are dumped onto a conveyor and are mechanically processed to produce "cubes". The filter processor has a sump area that collects the oil drained during the process. Crushed filters are visually inspected and are either drained and dumped directly into bins or are mixed with uncrushed filters and mechanically cubed. Deliveries of crushed filters are manually searched for any uncrushed filters, which are removed and mechanically cubed. The cubes are deposited in bins that are shipped off site for metal recycling. Oil recovered from this process is screened (see Waste Analysis Plan) and transferred to Tank T-630 for recycling. Used oil filters are stored in aboveground containers that are clearly labeled "Used Oil Filters" and are in good condition. The storage containers are sealed (by keeping the bung caps closed) and stored on an impermeable surface (concrete in the garage or sealed asphalt outside the garage). Any discharge is stopped, contained, and managed, and the container is repaired or replaced as necessary. Granular absorbent, absorbent pads, and booms are available in the area to ensure immediate response to any spill that may occur.

WASTEWATER

Wastewater including petroleum contact water, industrial water, facility-generated secondary containment waters (displaying a sheen), and water distilled out of the used oil is accumulated in tanks SKW and SKE prior to pretreatment in the wastewater treatment unit and ultimate treatment by the Plant City POTW. The wastewater treatment process consists of composition equalization (in SKE and SKW), gravity separation, chemical treatment, flocculation, coagulation, and dissolved air flotation. Any oil recovered by gravity separation or dissolved air flotation is pumped to Tank-630 for recycling along with the used oil.

ANTIFREEZE

Waste antifreeze with a low water/oil concentration may be directly off-loaded and sent to Tank 1 or Tank 20V. Phase separation may be conducted prior to further processing, recovered antifreeze is sent to Tank 1 or 20V. The recovered water fraction containing a *de minimus* amount of the glycol is treated and sent to the POTW. The glycol in the



water discharged to the POTW is easily biodegraded and does not pass through the POTW. The majority of the glycol and any oil, additives, or heavy metals contained in the glycol remain with the re-refined oil product.

OIL Y WASTES

Oily Wastes, such as solids containing recoverable oil, may be received in drums and processed to recover any petroleum. Drums containing a large amount of free flowing oil may be directly vacuumed/pumped out. Drums containing a low amount of free flowing oil may be bulked in a roll-off box and drained by gravity or bulked in a compactor to enhance oil recovery. The roll-off box is located on an impervious surface (concrete), which is contained (with curbing), and equipped with a sump/pump (which is connected to the tank farm) to recover any residuals. The remaining facility-generated solid waste is bulked and transported off site to a State-permitted landfill for disposal or thermal treatment facility. Recovered petroleum is recycled with the other used oils.

PRODUCT BLENDING

Tested, on-specification used oil may be blended or stored in Tanks 5, 6, 10, 11, 12 or 24K with other virgin fuels to make a variety of different viscosity and sulfur content fuels to meet customer demands. Circulation pumps are used for mixing high viscosity virgin fuels with lighter recycled oils in Tanks 6, 10, 11, 12 and 24K.

PETROLEUM CONTAMINATED SOLID WASTE

Petroleum-contaminated solid waste determined to be non-hazardous is handled by the facility on a consolidation bulking basis under the facility's Solid Waste Transfer Station Permit. In some cases, a covered roll off may be used for bulk products such as petroleum contaminated soil.

DECANTING

The amount of solids accumulated in Tanks T-630, 30 KV, 552, SKE and SKW is controlled by decanting a fraction of the shipments of oily water, waste oil or used oil that the facility receives. Tanks D5K (5,000 gallon capacity) and C1 (30,000 gallon capacity) serve as decanting tanks and are registered as containing oily water and used oil, respectively.

Those incoming shipments that are high in solids (approximately 10 percent or greater by volume) are unloaded into Tank D5K or C3. Typical shipments may include materials from petroleum spill sites, pits, sumps, or fluid from oil/water separators, as defined by



62-761 and 62-770 F.A.C. The shipments will be screened as identified by the waste analysis plan.

After the shipment of oily water, used oil or waste oil has had the opportunity to stabilize or separate in Tank D5K, the location of the different phases of oil, water and solids will be determined. Sampling and materials removal connections are located approximately 4 inches, 10.5 inches, 25 inches, 41.5 inches, 64.5 inches, 88.5 inches and 113 inches above the tank bottom. The oil phase will be pumped to Tank T-630, and the water phase to Tanks SKE and SKW. Solids (e.g., sediment, twigs, leaves) will be allowed to accumulate on the tank bottom until such time ready for bulking and shipping to a State-permitted landfill or thermal treatment unit. In some rare cases, a customer may opt to have the solids returned and be the agent for the proper disposal of the cited solids.

Stormwater discharge associated with industrial activity requires a permit under 40 CFR Part 122.23(a)(ii). FCC – Plant City discharges stormwater to surface waters by virtue of a Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity (FLR05F746).



Plant City Permit June 2013, Revision 1

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 3 WASTE ANALYSIS PLAN

USED OIL OPERATING PROCEDURES AND WASTE ANALYSIS PLAN PER 40 CFR 279

FCC accepts used oil and non-hazardous oily wastes as defined under 40 CFR 279, and 62-710.201 FA.C. This addresses the following non-hazardous materials recycled, reclaimed, and/or managed by FCC, including:

- Industrial and non-industrial used oil and oily-water mixtures
- Waste oil and waste oil-water mixtures managed as used oil
- Non-industrial used oil filters (UOFs)
- Absorbents and industrial filters
- Other petroleum-contaminated debris, as defined under FAC 62-710.201
- Used antifreeze

USED OIL AND OILY WASTES

All used oil, oily wastes, and oily water must:

- 1. Correspond with the definition of used oil: "any oil that has been refined from crude oil or any synthetic oil that has been used and as a result of such use is contaminated by physical and chemical impurities."
- 2. Not have been mixed with hazardous waste, as defined in 40 CFR 261 Subpart D.

FAC 62-710.201 defines oily wastes as those materials that are mixed with used oil and have been separated from that used oil. Oily wastes include wastewaters, centrifuge solids, filter residues or sludge, bottom sediments, tank bottoms, and sorbents that have come in contact with, and have been contaminated by, used oil and may be appropriately tested and discarded in a manner that is in compliance with other state and local requirements. Any oil wastes or sludge generated at the facility that cannot be managed for energy recovery will require a hazardous waste determination and the materials shall be managed in accordance with 40 CFR Part 279.10 (c) and (e).



WASTE CHARACTERIZATION

Prior to acceptance of the waste, generators must provide FCC with a complete characterization, including analytical results, <u>or</u> certification of generator process knowledge of the waste. While analytical data provide the most definitive information regarding the concentration levels of hazardous constituents and other characteristics of the waste, FCC may accept a waste stream at the facility based, in whole or in part, on detailed waste-specific information obtained from the generator of that waste. When a generator wishes to use process knowledge in characterizing its waste, FCC requires the generator to state its claim in writing prior to accepting that waste.

PICK-UP/PUMP OUT

The driver/operator of a FCC vehicle utilized to transport used oil or oily waters may take a retain sample at each pick-up/pump. Retain samples are collected in a poly sample container and are labeled with the customers name, date, container ID (if more than one retain is taken at a site). The driver must then:

- 1. Verify that the material being removed conforms to the physical properties of used oil or contains an oily sheen.
- 2. Identify the used oil category as industrial, automotive, or mixed, as described by State of Florida Regulations.
- 3. Screen the material with a hand held halogen meter and/or Dexsil Q1000 (or other equivalent testing) to determine if the used oil contains chlorinated compounds. Any stream that fails the halogen meter screen (a positive reading for the hand held halogen meter calibrated 900ppm) will be tested with Dexsil Q1000 (or equivalent). Halogen meters are calibrated conservatively to 900 PPM. In the event of a positive reading on the halogen meter, the used oil will be tested with a Dexsil Q-1000 or equivalent to confirm or refute the reading over 1,000 PPM halogens.
 - a. Results of the halogen screen will be recorded on the shipping document, along with the required generator information.
 - b. Any stream that fails both the halogen meter screen and Dexsil Q1000 (or equivalent) test will not be picked up until the retained sample (accompanied by a Chain-of-Custody) can be tested for TOX (Total Organic Halide) by either an Oxford LabX3500 (known as XRF or EPA Method 9075) or Gas Chromatograph (GC), as required, at one of FCC's laboratories, or until the generator supplies certified laboratory results and/or process knowledge sufficient to rebut the hazardous waste presumption, as outlined in 40 CFR 279.44.



FACILITY OFF-LOADING

The following steps will be conducted for each shipment of used oil and oily waters received at FCC:

- 1. Collect a sample at the terminal using a tank thief prior to unloading. The sample will be checked to verify that the material conforms to the physical properties of used oil, as defined in 40 CFR 279 and FAC 62.710.200.
- 2. The sample will be screened by the on-site laboratory for chlorinated compounds content using either Oxford LabX3500 (known as XRF or EPA Method 9075) or Dexsil Q1000 (EPA Method 9077) or other equivalent testing kit, and for percent water by distillation. The results will be recorded on the incoming load log for all material received, including third-party deliveries. Used oil that passes the halogen screening is unloaded to either one of the day tanks (Tanks C1, C2, C3, 2, 3, 4, 7, 8, or 9) or tank T-630.
 - a. Any stream that fails either the XRF or the Dexsil Q1000 (or equivalent) test will be segregated until sufficient information is obtained necessary to rebut the hazardous waste presumption, as outlined in 40 CFR 279.44.
 - b. If the hazardous waste presumption for a load cannot be rebutted successfully, the material will be rejected as non-conforming and will be managed by doing one of the following:
 - 1) The shipping document will be marked as non-conforming, and the load will be returned to the generator.
 - 2) In the event of commingled oil from route collections, if determined to be hazardous waste, lab waste analysis will be conducted to identify the hazardous constituents that may classify the material as hazardous waste. The material will remain on the route oil truck and will not be offloaded into the facility. The load will be profiled to the proper disposal facility and upon acceptance will be transported to the designated TSDF in accordance with 40 CFR Subtitle C. The retain samples will be used to determine which customer is the generator of the hazardous waste oil. The customer will be the generator of the hazardous waste will sign the manifest and work with FCC Environmental to ensure proper disposal.



ABSORBENTS, FILTERS, AND OILY WASTES

The driver/operator of a FCC vehicle used to transport industrial and non-industrial absorbent, filter streams, and other incoming oil-contaminated solids must at each pick-up/pump out verify that the material contains visible oil.

Note: Used oil recovered from drum loads will be screened for halogens prior to unloading into FCC processing facilities.

Because storage patterns and the use of high-powered vacuum equipment do not always lend recognition of oily wastes contained or confined by used oil, any such materials will be treated as part of the used oil shipment and segregation shall take place at the facility as part of the process. These wastes include:

- 1. Heel from off-loading, primary phase separation, and residue from truck decontamination procedures
- 2. Tank bottom sludge from tank cleaning performed on the process tanks as part of facility maintenance.

The two categories of materials may be stored and tested separately. Waste characterization completed for absorbents and oily wastes testing include generator process knowledge and analytical chemistry for RCRA 8 metals and 8260 volatiles. All freely recoverable oil is removed from the containers prior to shipping for disposal.

USED ANTIFREEZE

To ensure compliance with the Florida DEP's May 2012 Antifreeze Guidance Best Management Practices for Managing Used Antifreeze at Vehicle Repair Facilities, FCC will not require any analytical on used antifreeze that is sent for recycling. FCC will require analytical on used antifreeze that is sent for disposal for lead, benzene, trichloroethylene and tetrachloroethylene.

The driver/operator of a FCC vehicle used to transport antifreeze must at each pickup/pump out verify that the material is examined for pH, visual color and odor. Any significant difference, then the antifreeze will not be loaded on the truck.

Prior to unloading any antifreeze, the antifreeze may be sampled and tested for pH, visual color and odor. Used antifreeze is off-loaded and bulked in an aboveground storage tank. Once a bulk load of antifreeze is accumulated, the used antifreeze is sent off site for recycling.

PETROLEUM CONTACT WATER (PCW)

Upon pick-up/pump-out, the driver will take a representative sample of the petroleum contact water (PCW), which is a mixture of virgin fuel and water, with a drum or tank



thief and test for pH. PCW does not meet the definition of used oil since it has not been used.

INDUSTRIAL WASTEWATER

FCC may require an initial laboratory analysis be conducted for a proper RCRA hazardous waste determination. If material is determined to be non-conforming or the generator has changed the generating process, FCC may require additional analysis.

Industrial wastewater is the other wastewater (in addition to PCW) which may or may not contain used oil. Prior to pick-up/pump-out, the driver will take a representative sample using a drum or tank thief and conduct a field pH test. Upon receipt at the facility, the laboratory may resample and conduct a bench top simulation of the wastewater pretreatment process to determine if an individual stream can successfully be treated directly in the wastewater treatment process. Samples that result in clarified water are said to respond well. Shipments that respond well in the bench top test are unloaded into Tanks SKE or SKW. Those samples that do not respond well in the bench top test are unloaded into the used oil feed tank, T-630, and the water is steam-stripped out of the emulsion along with the other used oil.

Large solids in the wastewater are removed by strainers as the truck is unloaded. Fine solids are recovered along with any petroleum in the DAF and are blended with the used oil for recycling.

PETROLEUM CONTAMINATED MATERIALS

FCC will only accept materials that are determined to meet landfill or thermal treatment criteria and are not regulated under 40 CFR Chapter 1 Part 261 (62-730 FAC) as a hazardous waste. Generators must provide FCC with a complete characterization including analytical results <u>or</u> certification of generator process knowledge of the waste prior to the acceptance. While analytical data provide the most definitive information regarding the concentration levels of hazardous constituents and other characteristics of the waste, FCC may accept a waste stream based, in whole or part, on detailed waste-specific information obtained from the generator of that waste. When a generator to state its claim in writing prior to accepting that waste. When generator knowledge is used, backup documentation will be obtained from the customer such as MSDSs, chemical handling descriptions, published waste analysis or studies, etc. will be obtained to verify the generator knowledge is correct. Upon pick-up, the driver will verify that the material conforms to the characteristics provided by the generator during the pre-approval process.



MATERIAL STORAGE

All materials are stored in aboveground tanks registered with the FDEP, as required by FAC 62-762, or in DOT-approved shipping containers. The tanks are labeled "Used Oil" and have the appropriate NFPA labels affixed. Tanks containing antifreeze are labeled "Antifreeze" and have the appropriate NFPA label. Drums are labeled with non-hazardous shipping labels (or other approved FCC labeling that contain generator information, date, and material description).

ON-SPECIFICATION CLAIM

Used oil fuels are processed at the FCC facility using chemical and physical means to obtain an on-specification used oil fuel. The used oil fuel is constantly being processed and is not produced in specific batches. The finished product is sent to Tank 552 where it is sampled daily for on-specification parameters daily prior to sale or further blending. The sample is collected and analyses performed by a FCC laboratory or an outside NELAC-certified laboratory and used to verify the conformance with the on-specification used oil requirements in 40 CFR 279.11. The on-specification parameters have been exceeded, the process is stopped, and the oil is transferred back to the used oil feed tank for further recycling. A copy of the sample analysis report for on-specification oil is included as part of this attachment. The table on the following page lists the parameters and methods used for testing.

Parameter	Method
Total Halogens *	EPA 9075
Organic Halogens	EPA 8021B
Gravity API @ 60°F	ASTM D-287
Heat of combustion, BTU/gallon	By calculation
Viscosity SUS @ 100°F	Visgage
Flashpoint, °F *	EPA 1010/ASTM D-93
Ash, wt. %	ASTM D-482
PCBs *	EPA 8082
Sulfur, wt. %	ASTM D-4294
Total Arsenic *	EPA 6010B
Total Cadmium *	EPA 6010B
Total Chromium *	EPA 6010B
Total Lead *	EPA 6010B
Water, vol. %	ASTM D-95

Methods of Analysis



* Required for each on-specification analysis, other analysis is performed as needed. Note: Methods may be changed according to laboratory capabilities, but will be an approved equivalent.

Parameter	Value/Units	Limit
Flashpoint	100 °F	Minimum
Total Halogens	4000ppm	Maximum
Total Arsenic	5ppm	Maximum
Total Cadmium	2ppm	Maximum
Total Chromium	10ppm	Maximum
Total Lead	100ppm	Maximum
РСВ	2ppm	Maximum

40CFR 279.11 On-Specification Criteria

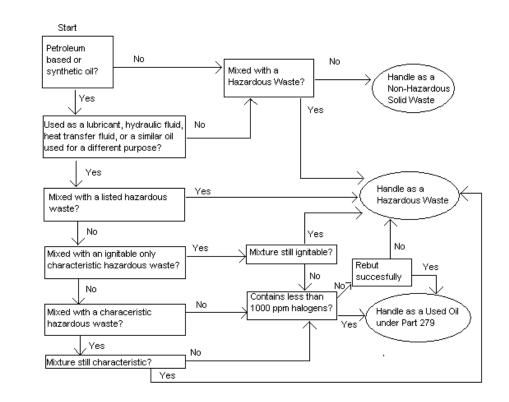
RECORDS

F

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Analytical results performed by a FCC laboratory or state-certified laboratory to verify the on-specification claim will be maintained until closure of the facility, in accordance with 40 CFR 279.57. Analyses concerning rebuttal materials (materials that did not meet the waste acceptance procedure requirements) will also be maintained in accordance with 40 CFR 279.57. Any analysis not pertaining to the criteria will be kept for five years.

Used Oil Determination Flow Chart



FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 4 SLUDGE, RESIDUE, AND BYPRODUCT MANAGEMENT DESCRIPTION

SLUDGE AND FILTER SOLIDS

Sludge, residue and by-products from filters, tank bottoms and or storage tank, etc., are removed as needed, on a frequency dependent upon the volumes (layers) in the tanks rather than the frequency of oil and oily waste received and processed at the facility. The sludge and sump solids come from filter baskets and pump sumps. These materials are commingled and taken to the shaker screen, and may be washed with hot water and/or light oil such as kerosene. This washing procedure minimizes the quantity of waste that must be shipped off-site for disposal and eliminates any free liquid that may have been with the solids. Filtrate from the shaker screen is collected and pumped to Tank T-630 for recycling with the other used oil. In 1993, the facility conducted TCLP (8 RCRA) metals analysis of the resulting solid waste over a five-month period, and determined the waste stream to be non-hazardous. The process has not changed; therefore, the hazardous waste determination is made only annually to verify any changes in the documented TCLP parameters.

Sludge residues, filter basket solids, and other residues are shipped in bulk to a State permitted landfill or thermal treatment (waste to energy) facility. Any wastes that contain free liquids will be tested for flashpoint prior to shipment. If the flashpoint results show that the material is not a characteristic hazardous waste, it may be sent to a State-permitted facility for solidification and/or ultimate disposal at a Treatment, Storage, and Disposal Facility (TSDF).

Solid material or residue that accumulates over time in the bottom of separation vessels, pump trucks, or tankers is removed and analyzed for Florida pre-burn constituents, as defined in FAC Chapter 62.713.501(4). Solids that are within the 40 CFR 261 limits are stabilized with an inert organic material (such as saw dust, granular/clay absorbent, etc.) and are sent for disposal as a non-hazardous waste at a secured landfill or sent for thermal treatment. Solids that exceed the 40 CFR 261 criteria for classification as a characteristic hazardous waste are placed in appropriate containers disposed at an off-site licensed TSDF. Any material sent to a TSDF is accompanied by a hazardous waste manifest.

A tank farm sludge management plan has been developed whereby three tanks (under 40,000-gallons) containing regulated petroleum products will be investigated every six months for the quantity of sludge present. When the sludge quantity is more than 10-20



percent of the total tank volume, the tank will be cleaned and a sample of the sludge will be collected for analysis. The analytical testing will include, at minimum, TCLP 8 RCRA Metals, TCLP Volatiles. Other parameters may be analyzed when deemed appropriate. Any tanks over 40,000-gallons will be addressed when emptied for integrity testing.

Any solids determined to exceed the 40 CFR 261 criteria for classification as a characteristic hazardous waste are disposed at an off-site licensed TSDF. Each material sent to the TSDF is accompanied by a hazardous waste manifest.

CRUSHED OIL FILTERS

Oil filter scrap steel is bulked into approximately 4,500-5,000-pound bins, loaded onto trailer/roll-off boxes, and shipped off site for metal recycling. US Foundries is utilized by the Plant City branch for oil filter recycling. Plant City may subcontract crushing operations to third parties such as Kellen in Mulberry, FL.

PRETREATED WASTEWATER DISCHARGED TO POTW

Wastewater is pretreated by FCC prior to discharge to the Plant City POTW for final treatment. Analyses are conducted as required by the Industrial User Effluent Permit. Flow rate, pH, and conductivity are continuously monitored, recorded, and transmitted by telemetry to the POTW. Samples of the pretreated wastewater are collected weekly by the POTW using an ISCO automatic sampler and are tested by the Plant City Wastewater Laboratory for BOD, total suspended solids, total nitrogen, and total phosphorus. Semi-annually, FCC conducts analyses for 12 CWT metals, 5 CWT semi-volatiles, oil & grease, cyanide and mercury.



4-2

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 5 TRACKING PLAN

FCC maintains records of all materials transported from and received at the FCC facility for a minimum of three years. Incoming materials (used oil, oily water, oily wastes, antifreeze, PCW, and industrial wastewater) are tracked by handheld units through the ERP system "Service order hand held tickets" (completed by driver). ERP is FCC's Enterprise Resource Program (ERP), a computer accounting and resource tracking program.

Shipping documents are in accordance with the requirements specified in 40 CFR 279.56(a). The corresponding information is then entered into the facility's ERP system. Shipping documents will be kept on site and are filed by driver, by month at the facility. On occasion, an independent used oil hauler may deliver materials to the facility. A manifest is generated for each independent hauler and the information is entered into the facilities ERP system. Virgin petroleum products bought for blending are also tracked on the facilities ERP system.

The ERP system generates a "Route Report" daily related to what the driver with their handhelds. An example is included.

Transportation of materials from the FCC facility will be conducted by the FCC fleet (US DOT 1688621). Corporate headquarters are located at 523 N. Sam Houston Pkwy E, Suite 400, Houston, TX, 77060. A shipping document is generated for each outgoing shipment. The shipping documents are in accordance with the requirements specified in 40 CFR 279.56(b).

Tank inventory records are filed daily (see "Physical Inventory" sheet at the end of this attachment). These records are also retained for a three-year period. Analytical results performed by a state-certified laboratory to verify the on-specification claim will be maintained until closure of the facility, in accordance with 40 CFR 279.57. Analyses concerning rebuttal materials (materials that did not meet the waste acceptance procedure requirements) will also be maintained in accordance with 40 CFR 279.57. Reports and records concerning the implementation of the contingency plan will be maintained for the life of the facility.



	105 S ALEXANDER ST
	PLANT-CITY-FL-33563-4833
FCC environmental	Phone: (813) 754-1504 EPA ID: FLD065680613
Service Order ID: 2591243 Work Date: 06/03/2013 Vehicle: 961390 - S251 335 335 Tralier: Contact Name: FORO OF CLERMONT, Contact Phone: 3523946161 PO Number: Job Complete: YES Service Location: FORD OF CLERMDNT 1101 E HWY 50 CLERMONT, FL 34711 EPA ID: FLD053394920	The GENERATOR hereby certifies that the material collected from the GENERATORS facility by FCC Environmental, LLC does not contain any PCBs as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined in CFR 261. If the material collected is a used oil defined in 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm, or the GENERATOR hereby certifies that the rebuttable waste presumption under 40 CFR Part 279 has been rebutter. This GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCBs or is determined to be a hazardous waste I certify that to the best of my knowledge, the information present herein is correct and accurate, and I am authorized to sign on beha of the GENERATOR.
Collected	l agree to pay for the above services and/or products and to be bou by the terms and conditions set forth in FCC Environmental, LLC Standard Terms of Service Order, which has been previously provided and is available on FCC Environmental, LLCs website www.fccenvironmental.com or from the driver upon request.
Description UM Quantity HM Shipping Description # Containers Type BSW # Containers Type Glycol pH BRIX Sniffer Color Odor Color	Conditionally Exempt Small Quantity Generator as defined in 40 CFR 261.5
SERVICE - USED OIL GA 276 Non DOT Regulated Used OII PASS	Do-lt-Yourself Collection Center
Parts. Cleaners Service Object UM Quantity Serial # Asset #	Technician:
Deliveries	Curde
Description UM Quantity Service Object	Name: WALLACE ANDRUS Date: 06/03/2013 03:10 PM Customer:
Payments Method Total	
Transporter: FCC ENVIRONMENTAL LLC 523 SAM HOUSTON PARKWAY EAST SUITE 400	Medmes
HOUSTON, TX 77032 US DOT ID: 1688621 EPA ID: TXR 000078094 Emergency Contact: CHEMTREC (800) 424-9300	Name: mike Date: 06/03/2013 03:10 PM Printed on hun 3, 2013 at 3:11 PM
	Printed on Jun 3, 2013 at 3:11 PM

ERP generated service order example

051811	Heuse Solvent LA & CC Yes No Rep Initials Image: Solvent Passed Visual inspection Image: Solvent Passed Visual inspection Image: Solvent Passed Visual inspection Image: Solvent Parts Cleaner is clean (tront/back) Image: Solvent Parts Cleaner is properly grounded Image: Solvent Parts Cleaner is clean (tront/back) Image: Solvent Parts Cleaner is properly grounded Image: Solvent Parts Cleaner is clean (tront/back) Image: Solvent Parts Cleaner is properly grounded Image: Solvent Parts Cleaner is clean (tront/back) Image: Solvent Parts Cleaner is properly grounded Image: Solvent Parts Cleaner is document. Image: Solvent Parts Cleaner is document. Image: Solvent Parts Cleaner is document. Image: Solvent Parts Cleaner III (Solvent Parts Cleaner IIII) Image: Solvent Parts Cleaner IIII (Solvent Parts Cleaner IIII) Image: Solvent Parts Cleaner IIII) Image: Solvent Parts Cleaner IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Reuse Qualification Statement By signing this document, I hereby certify that I understand the used FCC Environmental, LLC degreasing fluid (i.e. Mineral spirits, petroleum naphtha) returned to FCC Environmental, LLC for inclusion in the FCC Environmental, LLC Reuse Program will be utilized as an effective substitute for chemical product. For the purpose of qualifying to participate in the Program, I utilized as an effective substitute for chemical product. For the purpose of qualifying to participate in the Program. I utilized as an effective substitute for chemical product. For the purpose of qualifying to participate in the Program. I utilized as an effective substitute for chemical product. For the purpose of qualifying to mixed with hazardous waste or other objectionable substances. All constituents that may be present in the degreasing fluid are contaminants resulting from, and incidental to, normal use of the solvent as a degreaser or cleaner. I have reviewed our physical facilities, administrative practices, and operational procedures and based on this review do willing make this true, accurate and complete certification.	'б Г	CQL-UOAUTOGA	в-оцвтя	PART / DESCRIPTION	VEHIC PICAYAN TRAILER NO.	PEMBROKE PINES, FL 3302	52627801 PINES FORD 8655 PINES BLVD	SITE NUMBER NAME AND ADDRESS	PHONE NUMBER (954) 443-7116	CUSTOMER CONTACT	523 N. Sam Houston Parkway East, Suite 400, Houston, TX 77060	environmental
ORIGINAL		le		gel 480 Non DOT Regulated Used				33024-6533 PROBLEM SYNOPSIS, AS REPORTED	CALL WAS TAKEN ON				60	SPECIAL NOTES
	Shipping Declaration: This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for ransportation according to the applicable regulations of the Department of Transportation. Designated Facility 5690 W. Midway Road Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Suite 400 US DOT ID#: 1686621 Sector Parkway East, Sector Parkw	Initial if Conditionally Exempt Small Quantity Generator as defined in 40 CFR 261.5 Initial if Do-it-yourself collection center Initial if Do-it-yourself collection Initial if Do-It-yourself co-It-yourself collectio		sed Oil		SCRIPTION SERIAL # # CON GLYCOL pH BRIX	ARRIVE DATE ARRIVE TIME CLOSE DATE OF CLOSE TIME TO CLOSE TIME THE CLOSE DATE OF CLOSE TIME TO CLOSE TO CLO	1013 3:08 AM AUT Grooffen Assigned tech TED M/A NUMBER Organ, Michael Thomas M/A NUMBER PROMISE DATE, TIME	AT BY P.O	P	CALL PROBLEM TYPE CODE	PAGE	NUMBER	SERVICE ORDER
LF 070 Hev B	and are in proper condition for line Boad 1981 346304 346304	R000059469 C does not contain any PCB's as ed in 40 CFR 261. If the material 1,000 ppm, or the GENERATCPR responsible for any and all costs a hazardous waste. I centify that on behalf of the GENERATOR.			28	T TYPE SNIFFER C-D-T	AZO LE AZENERE A	al Thomes EDATE, TIME	P.O. NUMBER	PRIORITY Medium	DE ORIGIN	OF	2513269	ORDER

Daily Route Report Example

Route	SOBJ Id	SOBJ Name	Recurring Visit	Serv. Date Day	Calendar Name	Serv. Loc	SOBJ Location Name SOBJ Street	SOBJ Street	SOBJ City
356- BXEH	SOBJ-00160200	COL-OF55GADM	CAUSEWAY MOBIL LUBE EXPRESS: COLL - Used Oil Filters/Absorbent s	6/2/2013 Sun	EST - Every 4 Weeks SID-010263 (Monthly)	SID-010263	CAUSEWAY MOBIL LUBE EXPRESS	11210 CAUSEWAY BLVD	BRANDON
356- BXEH	SOBJ-00117334	PC COL- SOLVUSED55GAD M	TIRES CHOICE 38: SVCS - Parts Cleaner	6/3/2013 Mon	EST - Every 12 Weeks	56198701	TIRES CHOICE 38	10742 BIG BEND RD	RIVERVIEW
356- BXEH	SOBJ-00117335	PC PC-BCA5S	TIRES CHOICE 38: SVCS - Parts Cleaner	6/3/2013 Mon	EST - Every 12 Weeks	56198701	TIRES CHOICE 38	10742 BIG BEND RD	RIVERVIEW
356- BXEH	SOBJ-00117336	PC PS- SOLV105GAFPI	TIRES CHOICE 38: SVCS - Parts Cleaner	6/3/2013 Mon	EST - Every 12 Weeks	56198701	TIRES CHOICE 38	10742 BIG BEND RD	RIVERVIEW
356- BXEH	SOBJ-00126435	FIL COL- OF55GADM	BINGHAM ONSITE SEWERS INC: COLL - Used Oil Filters/Absorbent s	6/3/2013 Mon	EST - Every 12 Weeks	56423101	BINGHAM ONSITE SEWERS INC	3640 SUMNER RD	DOVER
356- BXEH	SOBJ-00167092	FIL COL- OF55GADM	FOCUS 4 INC: COLL - Used Oil Filters/Absorbent s	6/3/2013 Mon	EST - Every 2 Weeks SID-012989	SID-012989	FOCUS 4 INC	700 RITCHIE RD	DAVENPORT
356- BXEH	SOBJ-00152038	FIL COL- OF55GADM	RING POWER HEAVY EQUIP BLDG: COLL - Used Oil Filters/Absorbent s	6/3/2013 Mon	EST - Every 1 Week	SID-006917	EQUIP BLDG	10421 FERNHILL DR	RIVERVIEW
356- BXEH	SOBJ-00152667	FIL COL- OF55GADM	RING POWER CAT RENTAL BLDG: COLL - Used Oil Filters/Absorbent s	6/3/2013 Mon	EST - Every 1 Week	SID-007179	RING POWER CAT RENTAL BLDG	10421 FERNHILL DR	RIVERVIEW
356- BXEH	SOBJ-00152670	FIL COL- OF55GADM	RING POWER TRUCK SHOP BLDG: COLL- Used Oil Filters/Absorbent s	6/3/2013 Mon	EST - Every 1 Week	SID-007181	SHOP BLDG	10421 FERN HILL DR	RIVERVIEW

FCC Environmental LLC

105 South Alexander St. Plant City, FL 33563 813-754-1504 x3133

CERTIFIED ANALYSIS

Project ID:	Finished Product	Company Name:	FCC Environmental LLC
Site Address:	Plant City	Company Address:	105 South Alexander Street
Sample Time:	0800	City, State, Zip:	Plant City, FL 33563
Sample Date:	05/13/13	Phone:	813-754-1504
Tank:	552	Report Date:	05/16/13
Matrix:	Oil	Sampled By:	Jason Bowers
Sample Location:	3 Foot line		

Parameter	Method	Results / Initials	Analysis Date	Prep Date	Units	MDL	PQL	Dilution Factor	Regulatory Limit
Viscosity	Visgage	165 AS	05/13/13	05/13/13	SSU@100°F	10	N/A	1	N/A
Flash Point	EPA 1010A	230 AS	05/13/13	05/13/13	۴	30	N/A	1	>100°F
API Gravity	D287	30.7 AS	05/13/13	05/13/13	N/A	0	N/A	1	N/A.
Percent Water	D95	0.3 AS	05/13/13	05/13/13	%	0.1	N/A	2	N/A
Percent Ash	D482	0.7697 AS	05/13/13	05/13/13	%	0.01	N/A	1	N/A
Total Halides (TX)	EPA 9075	16 AS	05/13/13	05/13/13	mg/Kg	20	50	1	1000
Percent Sulfur	D4294-03	0.2784 AS	05/13/13	05/13/13 ·	% .	0.05	0.05	1	N/A
PCB's Aroclor 1016	EPA 8082	ND *	05/14/13	05/14/13	mg/Kg	2.0	2.0	4	2
PCB's Aroclor 1242	EPA 8082	ND *	05/14/13	05/14/13	mg/Kg	2.0	2.0	4	2
PCB's Aroclor 1254	EPA 8082	ND *	05/14/13	05/14/13	mg/Kg	2.0	2.0	4	2
PCB's Aroclor 1260	EPA 8082	ND *	05/14/13	05/14/13	mg/Kg	2.0	2.0	4	2
Pounds per gallon	CALC	7.264 AS	05/14/13	05/14/13	Lbs/gal	N/A	N/A	N/A	N/A
BTU per gallon	CALC	142,592 AS	05/14/13	05/14/13	BTU/gal	N/A	N/A	N/A	N/A
Arsenic	EPA 6010B	0.19 U*	05/15/13	05/14/13	mg/Kg	0.19	2.0	10	5
Cadmium	EPA 6010B	0.07 U*	05/15/13	05/14/13	mg/Kg	0.07	0.10	10	2
Chromium	EPA 6010B	0.04 U*	05/15/13	05/14/13	mg/Kg	0.04	0.10	10	10
Lead	EPA 6010B	5.28 *	05/15/13	05/14/13	mg/Kg	0.16	0.10	10	100

BTEX levels = Below Contracted Maximum

*Analysis performed by Phoslab Environmental (Lakeland, Florida)

I = Value is between the MDL and the PQL

PQL = Practical Quantitation Limit

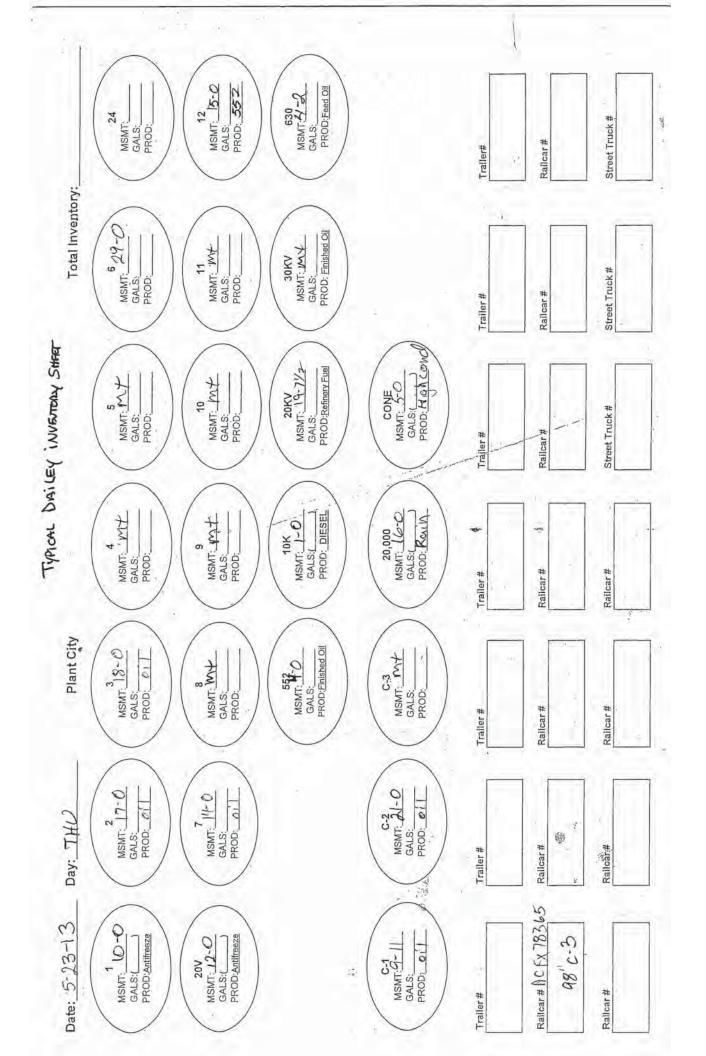
ND = Analyte was analyzed for but not detected above reporting limit

U = Under the minimum detection limit

Anà Saldana – Lab Technician

Angelo Pousa – Facility Manager

*The regulatory limit above reflects the Federal EPA limit for on-specification fuel as defined in 40 CFR 279.11. The on-specification limit for PCB's is imposed by 40 CFR 761.20 (e). These regulatory limits may be less stringent than those required by site-specific permit requirements that moy be held by the consumer. Please reference any applicable permits prior to acceptance of this material to ensure compliance.



FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 6 PREPAREDNESS AND PREVENTION CONTINGENCY PLAN

The purpose of the contingency plan is to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden releases of hazardous wastes or hazardous material and constituents to the air, soil, or surface waters. The Preparedness and Prevention Contingency (PPC) Plan is a combination of the facility Spill Prevention, Control and Countermeasures (SPCC) Program and the Emergency Action Plan (EAP), as permitted under 40 CFR 279.52 (b)(2)(ii)). Requirements pertaining to the PPC Plan are being addressed by including both the SPCC and EAP Plans as tabbed sections at the end of this permit application.

The Plan must be implemented immediately whenever there is a fire, explosion, or unplanned release of hazardous material that could threaten human health or the environment. The original document is located in the main office, and copies are located in the Branch Manager's office. Plan copies will be distributed to the local sheriff's office, fire department, and hospitals upon approval from the FDEP.

During an emergency situation, the Branch Manager must be notified immediately. The individuals designated as Emergency Contacts, including the Branch Manager, and their contact information are listed in the SPCC Plan and in this attachment. The primary Emergency Operations Center (EOC) or Command Post is located in the main operations building conference room. The laboratory is designated as the alternate EOC.

The EOC is the communications hub, staffed by the Branch Manager and members of the emergency response teams who are responsible for coordinating the emergency incident. If the Branch Manager cannot be contacted, secondary contacts are provided in both the SPCC and EAP Plans. Detailed descriptions of emergency procedures are outlined in the attached SPCC and EAP Plans.

PREPAREDNESS AND ARRANGEMENTS WITH LOCAL AUTHORITIES

Emergency Equipment

In the event of an emergency, the procedures to be implemented are outlined in the Emergency Action Plan (EAP). Procedures required during a possible release of material are outlined in the SPCC Plan. Equipment that can be used during an emergency is listed at the end of this attachment, and detailed instructions are included in both plans.



The Branch Manager will test the alarm system the first week of every month. During a power outage, the alarm system will utilize its back-up power system, or communications can be maintained by direct connect cellular phones. Many personnel have direct connect cellular phones that can be used if the facility phone system is not operational.

All emergency equipment in all plants, such as fire monitors, emergency eyewash/showers, is inspected and flushed monthly. Equipment that operates on independent power is properly charged prior to storage. A record of the emergency alert test and emergency equipment inspections is maintained in the Plant Operations Book.

Fire extinguishers, eyewash stations, showers, and spill kits are strategically located throughout the facility. Locations have been determined by area usage and the potential for harm. Fire extinguishers are checked and tagged in accordance with fire safety practices. The Branch Manager is responsible for monthly inspection and maintenance of fire protection equipment. Annual inspections of the fire extinguishers are performed by an outside contractor.

Secondary containment is also provided to contain released materials. This sealant on the secondary containment was chosen based on its resistance to not only petroleum products but also caustic materials where there is exposure risk.

A facility map that shows the location of emergency equipment, spill containment equipment, and emergency communication equipment, as well as traffic flow, is included in Exhibit II of the Emergency Action Plan.

Fire Response

Should personnel discover a fire or smell smoke, they would contact 911 immediately and follow the procedures outlined in the EAP. The responding fire station has toured FCC's facility and is acquainted with the facility operations and layout. The fire station has a key and code access to FCC's facility. Inventory records are kept in a designated box located outside the gate in case of an emergency after hours. In the event of a fire, the EAP contains in Section 4.1 detailed measures to be undertaken by facility personnel.

Evacuation

All personnel, including visitors and contractors, must leave the building through the proper exit. All tank farm personnel will evacuate east and proceed north past the operations building. Personnel located in the water treatment area will evacuate east past the quality assurance lab. Personnel working in the drum processing or loading/unloading areas will evacuate to the east and then north past the operations building. All personnel will assemble across the street from the parking area located on Alexander St. An evacuation route diagram is provided in Exhibit 1 of the Emergency



Action Plan (EAP). The appropriate supervisors will take a headcount and report this information to the appropriate managers, who will in turn report to the Branch Manager. All personnel shall remain outside until directed to return by the manager.

RECORD KEEPING AND REPORTING

The Branch Manager must keep a record of any and all emergency events. Verbal reports are to be presented within 24 hours of each incident, with written reports submitted within seven days. Reports are to be filed with the following agencies:

Florida Department of Environmental Protection

	Physical Address:		
	Southwest District Office 13051 N. Telecom Parkway	Phone:	(813) 632-7600
	Temple Terrace, FL 33637-0926	Fax:	(813) 632-7664
	Mailing Address:		
	13051 N. Telecom Parkway		
	Temple Terrace, FL 33637-0926		
State	& Local Agencies		
	FDEP – Tallahassee (normal business hours)	Phone:	(850) 245-2118
	National Response Center	Phone:	(800) 424-8802
	State Warning Point (24 hour- spill contact) (Emergency Management, State of Florida)	Phone:	(850) 413-9969
	EPA Emergency Response (Atlanta)	Phone:	(404) 562-8520



Local Agencies

Hillsborough County EPC	Phone: (813) 627-2600			
Plant City Pretreatment Coordinator (bus hours)	Phone: (813) 757-9289 x.			
240 Plant City POTW (after hours)	Phone: (813) 757-9288			
Local Emergency Services				

Plant City Fire Rescue	Phone: 911
Plant City Fire Rescue (non-emergency)	Phone: (813) 757-9131
Plant City Police Department	Phone: 911
Plant City Police Department (non-emergency)	Phone: (813) 757-9200

The report will include the following information:

- a) Name, address, and telephone number of the Branch Manager
- b) Name, address, and telephone number of the facility
- c) Date, time, and type of incident
- d) Name, type and quantity of materials involved
- e) Any injuries that may have occurred
- f) An assessment of the actual or potential harm to human health and the environment
- g) Estimated quantity and disposition of any materials recovered

The contingency plan will be maintained at the facility and submitted to local emergency response authorities, which are identified in this plan. Copies of return receipts will serve to verify receipt of the plan by the local response authorities. The plan will be amended when necessary (i.e., when regulations change; the plan fails upon use; the facility owner, process, or contingency plan is modified; etc.).



EMERGENCY CONTACTS

FCC Environmental, LLC

PLANT CITY PLANT

1.	0	ousa, Area Manager 813-754-1504 ext.3117	Mobile:	954-868-1376
2.		on, Transportation Manager 813-754-1504 ext. 3126	Mobile:	813-478-5342

3. Scott Crandall, EHS Director Mobile: 813-335-5341



SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN

PLANT CITY FACILITY

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA

FCC Environmental, LLC May 2013

Spill Prevention, Control, and Countermeasure Plan Plant City Facility

FCC Environmental, LLC

(Formerly Hydrocarbon Recovery Services, Inc.)

Plant City, Florida Prepared by



ENSR International Project No.: 06953-024-500

Blair D. Burgess, Jr., P.E. Senior Engineer

> Sultan Anjum Project Manager

Amended and Certified by Carol Beth Kessler, P.E. Senior Engineer USFilter Recovery Services June 2005

Amended and Certified by Carol Beth Jones, P.E. Senior Engineer Hydrocarbon Recovery Services, Inc. February 2008

Five Year Review Jack Thornburgh Branch Manager Hydrocarbon Recovery Services, Inc. July 2008

Five Year Review Vinnie Glorioso Environmental Health and Safety Manager FCC Environmental, LLC May 2013

SPILL REPORTING PROCEDURES FCC Environmental, LLC PLANT CITY FACILITY PLANT CITY, FLORIDA

If an oil spill occurs outside the aboveground storage tank cont ainment system or truck loading/unloading containment system, the following procedures should be initiated:

• Determine if an emergency condition exists, defined as follows:

Any condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property.

If such a condition exists, a verbal report must be provided to the City of Plant Cit y Fire Department immediately after learning of the discharge. The 24-hour number is:

911, or (813) 757-9131

For spills of oil to the waters of the U.S. (e.g. any volume that causes a sheen on the water surface or the adjoining shore line), the State Warning Point, Florida Department of Environmental Protection (FDEP), U.S. Environmental Protection Agency (U.S. EPA) regional office, and National Response Center (NRC) must be notified immediately after learning of the spill, as follows:

National Response Center (24-hour):	1 – 800-424-8802
U.S.EPA Region iv-Atlanta (24-hour):	1 – 404-562-8700

And one of the following State Reporting Divisions

Florida State Warning Point (24-hour):	1 - 800-320-0519
FDEP-Tampa Office (8AM to 5 PM)	1 - 813-632-7600

- The FDEP must be notified as soon as possible but not later than 24 hours after the discovery of the spill or discharge at the Tampa Office (number above) for spills of oil greater than 25-gallons on a pervious surface, 100-gallons on an impervious surface, and 500-gallons inside the secondary containment.
- For spills for which a fire or explosion potential exist, immediately contact the City of Plant City Fire and Police Departments:

Local Emergency: 911

- In the event of a spill outside of containment, Plant City F acility Personnel will contact FCC Environmental, LLC EH&S Department as soon as possible to assist in agency notifications and spill response. Contact names and telephone numbers are provided on Page iv.
- Written reports are discussed in Section I.

SPILL RESPONSE PROCEDURES

FCC Environmental, LLC PLANT CITY FACILITY PLANT CITY, FLORIDA

Upon detection of a rel ease of oil to the environment, facility personn el perform the followin g cleanup steps:

- 1. notify the Emergency Coordinator or alternate;
- 2. take whatever steps are necessary to stop the release (in accordance with OSHA health and safety requirements)
- 3. contain the spill onsite (utilize onsite spill kits and absorbent materials);
- 4. assess site conditions including the potential for the release to extend beyond the property boundary and report to the Emergency Coordinator your observations;
- 5. clean up (utilize onsite equipment to recover liquids and excavate shallow impacted soils/gravel) and manage properly the recovered materials including oil and affected media; and
- 6. if necessary, repair or replace any leaking oil storage containers or tanks prior to returning them to service.

EMERGENCY CONTACTS

FCC Environmental, LLC PLANT CITY FACILITY PLANT CITY, FLORIDA

- 1.Angelo Pousa, Area Manager and primary emergency coordinator
Work: 813-754-1504 x 3117Mobile: 954-868-1376
- 2. Mike Bisson, Transportation Manager and alternate emergency coordinator Work: 813-754-1504 x 3126 Mobile: 813-478-5342
- 3. Scott Crandall, EH&S Director Mobile: 813-335-5341
- 4. John Goelz, Field Service Regional Manager Work: 407-854-1620 Mobile: 407-466-4085
- 5. Oil Spill Response Contractor Southern Waste Services (SWS) Environmental First Response Emergency Contact Number 800-852-8878

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INTRODUCTION

Section 311 of the Federal Water Pollution Control Act/Clean Water Act establishes the authority upon which the Environmental Protection Agency (EPA) issued regulations entitled Oil Pollution Prevention (40 CFR 112).

U. S. Environmental Protection Agency (U. S. EPA) regulations (40 CFR 112, dated July 17, 2002) require owners or operators of non-transportation related onshore and offshore facilities to prepare and implement a Spill Prevention, Control, and Countermeasure (SPCC) Plan if they have discharged or, due to their location, could reasonably be expleted to discharge oil in harmful quantities into or upon the navigable waters of the United States or adjoining shorelines.

40 CFR 112.2 defines oil to in clude "...oil of any kind on in any form, including, but not limited to petroleum, fuel oil, slud ge, synthetic oils, mine ral oils, oil r efuse or oil mixed with wastes other than dredged spoil."

"Navigable Waters" as defined under the Clean Water Act Section 502(7), has been interpreted to include all surface waters, including any waterway within the United States. In addition, groundwater may also be included under the definition of navigable waters, if groundwater is directly connected hydrogeologically with surface waters.

"Discharge" includes, but is not I imited to, any spilling, leaking, pumping, pouring, emitting, emptying or dumping of oil (112.2(4)).

"Spill" or a "Spill Event" means a discharge of oil into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities, as defined at 40 CFR 110.

Therefore, a discharge may occur without resulting in a spill. This difference can be significant as it relates to regulatory reporting responsibilities (40 CFR 112.2).

The SPCC regulations apply whenever oil storage capacities at a facility exceed t the following thresholds (40 CFR 112.1 (d)(2); 112.3(a):

- single above-ground container or multiple a bove-ground containers equaling-1,320 gallons aggregate capacity (counting containers 55-U.S. gallons or greater); can reasonably expect a discharge to reach navigable waters of the United States; or
- underground buried storage containers-42,000 gallons aggregate capacity and are not subject to the technical requirements of 40 CFR 280 or approved State Program.

This SPCC Plan includes provisions for controls, cont ainment and diversionary structures, monitoring equipment, personnel t raining, inspection and record keeping, security and spill cleanup procedures. This plan is prepared using good engineering practices, has the full approval of management to commit the resource s necessary to implement t he Plan, was designed in general accordance with the applicable in dustry standard, and details those

engineering design and operations, procedur es and practices in place at the site to prevent and/or contain a potential spill.

Owners or operators of a facility for which a SPCC Plan is required must maintain a complete copy of the Plan at the site if the facility is nor mally attended at least eight hours per day. The Plan must be available for review during normal working hours.

The SPCC Plan must be reviewed and cert ified by a Registered P rofessional Engineer. By means of this certification, the engineer or his agent, having exa mined the facility and bein g familiar with SPCC req uirements, must attest the Plan has been prepared in accordance with good engineering practices (40 CFR 112.5 (b)).

The SPCC Plan must be amended within six months and implemented immediately whenever there is a change in facility design, construction, operation, or maintenance that materially affects the facility's potential to discharge oil (40 CFR 112.5 (a)). Changes include installation, removal, replacement, reconstruction, or mo vement of oil-containing equipment. The Pla n must be reviewed once every five years and amended t o include more effective prevention and control technology, if such technology will significantly reduce the likelihood of a spill event and has been proven in the field. A Registered Profession al Engineer must certify all changes (40 CF R 112.3 (c)). All changes must be do cumented in the Plan Review and Amendment Log (40 CF R 112.5 (b)).

It is not necessary to submit the Plan to t he U.S. EPA unless request ed, or unless one of the following events occur (40 CFR 112.4):

- The facility discharges more than 1,000 gallons of oil into or upon navig able waters of the United States or adjoining shorelines in a single event; or
- The facility discharges 42 gallons of oil on or upon the navigable waters of the United States or adjoining shorelines during two spill events within any twelve-month period (see the Spill Reporting Procedures section at the beginning of the Plan).

Within 60 days following the occurrence of either of these events, the owner or operator of the facility must submit a written report to <u>both</u>:

U.S. EPA	FDEP	 Southwest District 		
Regional Administrato	r	Emergency Response Unit		
U.S. EPA – Region IV	and	13051 North Telecom Parkway		
61 Forsyth Street		Temple Terrace, Florida 33637-0926		
Atlanta, Georgia, 3030)3			

The report must contain the following information (40 CFR 112.4):

- 1. name of the facility;
- 2. name of the owner/operator of the facility;
- 3. location of the facility;
- 4. date and year of initial facility operations;
- 5. maximum storage or handling capacity of the facility and normal daily throughput;
- 6. description of the facilit y, including a site plan , flow diagrams, and topographica l maps;
- 7. a complete copy of the SPCC Plan with any amendments;
- 8. the cause(s) of the spill(s), including a failure analysis of the system or sub-system in which the failure occurred;
- 9. corrective actions and/or countermeasures taken including adequate description of equipment repairs and/or replacements;
- 10. additional preventive measures taken or contemplated to minimize the possibility of recurrence; and
- 11. other pertinent information the R egional Administrator may reasonably require regarding the Plan or spill event.

GENERAL INFORMATION

- Facility Name:FCC Environmental, LLCPlant City Facility
- Street Address: 105 South Alexander Street Plant City, Florida, 33563
- Mailing Address: 105 South Alexander Street Plant City, Florida, 33563

2.1 Facility Description

The FCC Environmenta I, LLC (FCC) Plant City Facility is a used oil, and oily water processing plant. This facility also processes wastes from other FCC plant facilities. Typical facility operating hours are from 7:00 AM to 6:00 PM, Monday through Fr iday. The Plant City facility consists of an office building, laboratory, mainte nance shop, locker r oom, and storage/drum processing operation. The facility is located in Plant City, Hillsborough County, Florida, in a commercial/light industrial area. This facility has been under US Filter operation from July 24, 2002 until August 31, 2006 when USFilter Recovery Se rvices (Mid-Atlantic) Inc. merged i nto its immediate parent company, Siemens Water Technologies Corp. On October 1, 2007 a legal reorganization created

the legal entity, Hydrocarbon Recovery Services, Inc. On July 1, 2010, the company changed legal names to FCC.

The site is bounded on the north by CSX Railroad line. Alexander Street abuts the eastern perimeter of the facility. Light industrial facilities are present north of the CSX Railroad and east of Alexander Street. Americold Storag e and vacant land abuts the southern boundary of the site. Vacant land abuts the western perimeter of the site. A site plan and drainage map is presented as Figure 2.

Used oil and oily water mixtures are transported to the facility by trucks of varying size s (1800 gallons – 10,000 gallons). Regulated materials may be stored in 25 Aboveground Storage Tanks (ASTs). Used oil and oily filters are processed, and any resulting waters are treated on site by a centralized wastewater treatment plant. Used oil filter s and other oily wastes such as petroleum contaminated solids are stored and processed at the fa cility. Recovered oil is processed to specification and shipped out to customers. The generated wastewater is discharged to the City of Plant City POTW. Recovered solids are disposed offsite for further treatment.

Loading and unloading is conduct ed on concrete pads a djacent to the concrete containment structure. The facility uses spill collection containers as primary containment to catch leaks from the valves beneath trucks during transfer procedures while loading/off-loading station.

2.2 Fixed Storage

The collected hydrocarbon fluids may be sto red in up t o 25 ASTs, including 2 that are nonregulated under Florida Administrative Code 62-762.301. Oily water is stored in three ASTs (Tanks SKE, SKW, and D5K). Diesel is stored in a 10,000-gallon AST (Tank 10K). Used oil is stored in Tank 630, C-1, C-2, C-3, and Tanks #2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 24K, 20KV and 30KV. Spec fuel (No. 5 oil) is stored in Tank 552. Used Antifreeze is stored in a 20,000-gallon AST (Tank 20V) and a 14,700-gallon AST (Tank 1). Used oil filters are stored in 55-gallon drums. The ASTs and their associated pip ing are constructed of single-wall st eel, with the exception of Tank 630, which is of double-wall steel construction. Except for Tank 6 30, the tanks are located in concrete, secondary containment structures. (Note: AST 10V and 82V contain non-regulated waters, but are included in containment calculations.)

The location of these tanks is shown in Figure 2; the volume and contents of each tank is listed in Table 1. Due to oil storage capacit y exceeding one million gallons and its proximity to waters of the United States, the facility meets the substantial harm criteria as defined by 40 CFR 112 and is subject to t he requirements of a Facility Response Pla n (40 CFR 112.20). Certification is provided in Attachment A.

The materials and construction of all tanks used for the storage of petroleum are compatible with the materials stored an d conditions of storag e. Overfill protection is provided by fail-safe engineering controls. An outside level-gauge is provided for Tanks 1 through 12, 20V, T-83, T-630, 552, 10K, 20KV, 3 0KV, D5K, SKE, and SKW. Tanks C-1, C-2 a nd C-3 are equipped with high level alarms in addition to level gauges. The facility is manned da ily and the facility will b e observed by facility employees. Abnormal conditions are noted and appropriate measures taken.

Monthly inspections are performed and documented (Attachment C). Visible oil leaks from tank seams, gaskets, rivets, and bolts sufficiently large to cause an accumulation of oil in containment areas are promptly corrected.

A tertiary containment area is constructed to collect and treat stormwater runoff from buildings and parking lot areas, and noncontact stormwater from storage tanks and oil loa ding areas by means of settling tank/ oil separation system with effluent water flowing to a grassed area and design for a flow of 0.1 25 million gallons per day (MGD). The facility is designed to contain process water and a rainfall event from a 24 hour –25 year storm.

Total Regulated Substance Stored:

552,000-gallon Refined oil/On-Specification oil 1,067,300-gallon Used oil/oily water 10,000-gallon Vehicular Diesel 34,700-gallon Used Antifreeze

1,664,000-gallons Total

Total Regulated Tank Volume:

One 552,000-gallon Refined/On-Specification Oil AST (Note: holds 500,000-gallon of product) Three 14,700-gallon Used Oil ASTs Two 14,100-gallon Used Oil ASTs Three 15,000-gallon Used Oil ASTs Two 18,800-gallon Used Oil ASTs One 20,000-gallon Used Oil AST Two 24,000-gallon Used Oil AST One 30,000-gallon Used Oil AST Three 30,000-gallon Used Oil AST One 630,000-gallon Used Oil AST One 5,000-gallon Oily Water AST Two 44,700-gallon Oily Water ASTs (Note: non-regulated in Florida, exempt under F.A.C. 62-762.301) One 10,000-gallon Used Antifreeze One 14,700-gallon Used Antifreeze

Tank Construction:

All the ASTs are constructed of steel meeting t he standards of the American Petroleum Institute (API). With the exception of Tank T-630 which is of double wall const ruction, all the ASTs are single walled.

Containment:

South Tank Farms (14 ASTs)

Approximately 42.33 feet x 15.33 feet x 3.33 feet = 2,160.89 cu. ft. x 7.48 g/cu.ft. v = 16,164 gallons

Approximately 98.67 feet x 28.67 feet x 3.33 feet = 9,420.13 cu. ft. x 7.48 g/cu.ft. v= 70,463 gallons

Total Volume = 16,164 + 70,463 = 86,627-gallons

Total Tank Volume Displaced = 25,833-gallons

Total AST Secondary Containment = 86,627 – 25,833 = 60,794-gallons

Net Capacity ~ 60,794 gallons vs. 24,000-gallon maximum capacity

West Tank Farm (10 ASTs)

Approximately 83.92 feet x 43.66 feet x 2.81 feet = 10,298 cu. ft. x 7.48 g/cu.ft. v = 77,029 gallons

Approximately 83.66 feet x 35 feet x 3.17 feet = 9,282 cu. ft. x 7.48 g/cu.ft. v = 69,430 gallons

Approximately $0.5 \ge 137.66$ feet ≥ 18.66 feet ≥ 3.17 feet = 4,071.44 cu. ft. ≥ 7.48 g/cu.ft. $\ge 30,454.42$ gallons

Total Volume = 77,029 + 69,430 + 30,454.42 = 176,913-gallons

Total Tank Volume Displaced = 60,221-gallons (including Tank 552 displacement) Total Tank Volume Displaced = 13,712-gallons (not including Tank 552 displacement)

Total AST Secondary Containment = 176,913 – 60,221 = 116,692-gallons Total AST Secondary Containment for 552 failure = 176,913 – 13,712 = 163,201-gallons

Net Capacity ~ 116,692-gallons vs. for a maximum spill of 30,000-gallons from the second largest AST.

Note: Tank Number 552 is the largest tank in the west tank farm area and holds approximately 500,000-gallons of ASTM Grade 5 Residual Fuel Oil . West Tank farm area has a net secondary containment volume of 179,022-gallons, which is not sufficient to contain the volume of Ta nk Number 552. Tank Number 552 stores ASTM Grade 5 Residual Fuel Oil, therefore it is ex empted from the State of Florida secondary containment requirements in accordance with 62-762, FAC. The Fl orida Administrative Code (FAC), 62-762.201.34, and 62-762.501.(2)(c)1(g) acknowledges that due to physical characteristics, some oils pose less risk of impacting nearby water bodies. In this case, Grade 5 Fuel Oil has a viscosity of over 30 Centistokes and is exempted from Florida secondary containment and release detection requirements.

In addition to the physical limitations of Grade 5 Residual Fuel Oil, FCC has a very strong contingency plan for responding to catastrophic releases. In the event of a catastrophic release from Tank 552, FCC has sufficient internal resources to prevent the release from entering the nearest waterbody located approximately 400 feet southwest from the site. FCC's internal resources include but are not limited to several Vacuum and Tanker Trucks, Mechanical Pumps, and large quantity of absorbent pads. Add itionally, FCC has a contract with SWS Environmental for emergency response services required at the site.

Due to the physical properties of Grade 5 Fuel oil, the onsite stormwater treatment system and FCC's contingency plan for addressing a catastrophic release, it is the engineer's opinion that in accordance with 40 CFR 112.7 (c) and (d), secondary containment for Tank Number 552 is not warranted.

Containment (continued):

Refinery Area (3 ASTs)

Approximately 129.25 feet x 41.08 feet x 0.5+0.75/2 feet = 3,318.50 cu. ft. x 7.48 g/cu.ft. v= 24,823 gallons

Approximately 129.25 feet x 26.42 feet x 0.58+0.75/2 feet = 2,270.8 cu. ft. x 7.48 g/cu.ft. v= 16,986 gallons

Approximately 67 x 24.50 feet x 0.50+0.58/2 feet = 886.41 cu. ft. x 7.48 g/cu.ft. v = 6,631 gallons

Approximately 10 feet x 10 feet x 0.50+0.53/2 feet = 51.5 cu. ft. x 7.48 g/cu.ft. v= 386 gallons

Containment Volume of Holding Tank =2,424-gallons

Containment Volume of Collection Grate = 34-gallons

Containment Volume of Separator = 72-gallons

Containment Volume of 8"diameter U pipe = 248-gallons

Total Volume = 24,823 + 16,986 + 6.631 + 386 +2,424 + 34 + 72+ 248 = 51,604-gallons

Total Tank Volume Displaced = 1,294-gallons

Total AST Secondary Containment = 51,604 – 1,294 = 50,310-gallons

Net Capacity ~ 50,310-gallons vs. 44,650-gallon maximum capacity.

Note: Only one tank displacement has been used for calculation due to the impossibility of a total evacuation of a tank. Settling within the tank is expected to occur.

Containment (continued):

Tank T-630 AST

Containment Volume = (22/7)/4 x 64 feet-dia. x 64 feet-dia. X 29 feet = 93,292.74 cu. ft. x 7.48 g/cu.ft.= 697,830 gallons Total Volume = 697,830-gallons Total Tank Volume Displaced = 496,795-gallons Volume Available if Tank T-630 spills = 697,830-gallons Volume Needed if Tank T-630 spills = 693,000-gallons Surplus or Excess Volume = 697,830 – 693,000 = 4,830-gallons

Note: Tank T-630 is a double-walled AST.

Vehicles:

- 8 Tanker Trailers
- 6 Tanker Trucks
- 5 Office Vehicles
- 4 Vacuum Trucks
- 5 Box Trucks
- 6 Tractors
- 4 Storage Trailers
- 3 Trucks
- 1 Flatbed Combo Truck

2.3 Portable Storage

The facility is not using temporary storage onsite at this time.

Table 1 – South Tank Farm Summary of Aboveground Storage Tank Characteristics FCC Environmental, LLC – Plant City Facility Plant City, Florida

Tank ID Number	Volume (Gallons)	Material Stored	Displacement (Gallons)	
1	14,700	Antifreeze	1956	
2	14,700	Used Oil	1956	
3	15,000	Used Oil	1956	
4	15,000	Used Oil	1956	
5	15,000	Used Oil	1956	
6	18,800	Used Oil	1956	
7	14,100	Used Oil	1956	
8	14,100	Used Oil	1956	
9	14,700	Used Oil	1956	
10	14,700	Used Oil	1956	
11	18,800	Used Oil	1956	
12	24,000	Used Oil	2157	
20V	20,700	Antifreeze	2157	
24K	24,000	Used Oil	0	

Table 1 (Continued)– West Tank Farm Summary of Aboveground Storage Tank Characteristics FCC Environmental, LLC – Plant City Facility Plant City, Florida

Plant City, Florida			
Tank ID	Volume	Material	Displacement (Gallons)
Number	(Gallons)	Stored	
552	500,000	Number 5 Oil	46,509
20KV	20,000	Used Oil	2,679
C-1	30,000	Used Oil	668
C-2	30,000	Used Oil	668
C-3	30,000	Used Oil	668
30KV	30,000	Used Oil	2,679
10K	10,000	Vehicular Diesel	2,051
D5K	5,000	Oily Water	1,191
10V	10,000	Non-Regulated Water	2,051
82V	8,200	Non-Regulated Water	1,057

Note: Tank 552 is exempted from 62-762 F.A.C. as the contents are Grade 5 Residual Fuel Oil.

Table 1 (Continued)– Refinery Area Summary of Aboveground Storage Tank Characteristics FCC Environmental, LLC – Plant City Facility Plant City, Florida

Tank ID Number	Volume (Gallons)	Material Stored	Displacement (Gallons)	
SK-W SK-E	44,650 44,650	Oily Water Oily Water	1,175 1,175	
TANK NOT IN USE	2,900	Empty	238	

Table 1 (Continued)– Tank T-630 Summary of Aboveground Storage Tank Characteristics FCC Environmental, LLC – Plant City Facility

Plant City, Florida

Tank ID	Volume	Material	Displacement (Gallons)
Number	(Gallons)	Stored	
T-630	630,000	Used Oil	496,795

SPILL HISTORY (40 CFR 112.7[A])

All spills occurring within the containment are documented in the facility operations log. All spills occurring outside the containment are documented in a separate spill log including a writte n description of each spill, corrective action taken, and plans for preventing recurrence as required by 40 CFR 112.7(a). Due to a break-in in November 2007, roughly 4000 gallons of used oil was released onto asphalt. The incident was reported to the local police department, as well as local and state agencies. T he spill was cleaned and corrective actions were identified. Those corrective actions were to install more lighting and research the effectiveness and applicability of a video sur veillance system. (NOTE: On 9/24/99, the pr evious owners of th e facility had a reportable spill of more than 1,000 gallons.)

POTENTIAL SPILL VOLUMES, DIRECTION AND RATES (40 CFR 112.7[B])

Table 2 presents spill direction, volumes, and flow rates as determined for several potential types of failure at the Plant City Facility.

Table 2Potential Spill Volumes and RatesFCC Environmental, LLC – Plant City FacilityPlant City, Florida

Potential Type of Failure	Quantity	Rate	Direction of Flow
Complete failure of full tank	up to 630,000 gallons	Instantaneous	Contained by secondary containment
Partial failure of full tank	> 1 to 630,000 gallons	Gradual to Instantaneous	Contained by secondary containment
Tank Overfill	> 1 to 10,000 gallon (truck transport)	Up to 5 gallons per minute	Contained by secondary containment
Leaking pipe or valve packing	Up to 630,000 gallons	Up to 5 gallons per minute	Contained by secondary containment
Tank Truck leak or failure, Frac Tank leak or failure	Up to 10000 gallons	Gradual to Instantaneous	Spill Collection Containers
Hose leaking during truck loading/unloading (Tank Battery A)	Up to several gallons	Up to 5 gallons per minute	Spill Collection Containers
Hose leaking during truck loading/unloading (Tank Battery E)	1 to several gallons	Up to 5 gallons per minute	Secondary containment on concrete spill ramp.
Pump rupture or failure	Up to several gallons	Up to 300 gallons per minute	Contained by secondary containment

CONTAINMENT, DIVERSIONARY STRUCTURES OR EQUIPMENT (40 CFR 112.7[C])

Concrete dikes are provided around the ASTs (except tank 630 is contained by steel). All concrete and steel secondary containment systems are sufficiently sized to hold the entir e volume of the largest tank (630,000-gallons) with proper allowances for precipitation. The system serves to confine any spill inside the facility tank operation areas. The loading and unloading areas for tank trucks are also curbed and engineered to control typical spills. As needed, spilled liquids may be pumped in the treatment systems by vacuum trucks.

ASTs in the refinery area meet t@ secondary containment requirements for freeboard in the case of a re lease during precipitation events. Any o verflow from the secondary containment in the refinery area is dir^cted towards the settling tank/oil water separator system acting Ass a tertiary containment. The effluent from the settling tank/oil water separator system is directed to a grassed retention area. The facility is designed to contain process water and a rainfall event from a 24 hour-25 year storm.

The vessels are visual|[^] inspected daily when in us[^]È S pills will be cleaned up with on-site vacuum units assigned to the Plant City facility. In addition, sorbent mæerials, and shovels are on the site, if needed. Spill Response Procedures are presented in Page i of this document.

Truck drivers are required to attend all material transfers, thus reducing the risk of a release. In the event of a major spill outside the secondary containment system, the truck driver would make the necessary notification upon discovery.

FCC has spill response equipment and person nel stationed at the Pla nt City Facility, that can respond to the spill immediately. The on-duty dispatcher will immediately contact the Emergency Coordinator and local operations personnel to contain the spill. Additional equipment can be summoned from other $\mathcal{O}\hat{O}\hat{O}$ facilities or from local emergency response contractors, as needed.

FCC policy requires that a report detailing remediation procedures and efficiencies be forwarded to the EH&S Department in the event of a spill or release. A sample release report form is shown as Attachment B. The EH&S Department will prepare and submit written reports to state, federal, and local agencies when required.

Spill notification procedures are outlined at the beginning of this Plan. The City of Plant City Fire Department will also be notified of any major spill that occurs at the Plant City Facility.

The City of Plant City Fire Department is familiar with the facility layout in the event of a major spill or fire.

DEMONSTRATION OF PRACTICABILITY (40 CFR 112.7[D])

Facility management has determined that the u se of containment and diversionary structures or readily available equipment to prevent discharged oil from reaching navigable waters is practica I and effective at this facility for the fixed stora ge. Secon dary containment is provided for all storage tanks with the exception of Tank Number 552. Discharged oil from Tank Number 552 will be prevented from re aching Navigable waters using the available secondary containment capacity, readily available equipment and response actions by facility personnel. ASTs in the refinery area meet the secondary containment requirements for freebo and to contain a release during a precipitation event. Any overflow from the secondary containment in the refinery area is directed towards the settling tank/oil water separator system acting as tertiary containment. The effluent from the settling tank/oil water separator system is directed to a grassed retention area. The facility is design ed to contain process water and a rainfall event f rom a 24 hour-25 yea r storm. Equipment and supplies available to address facility spills is presented in Section XIII.

When the use of temporary storage is required, the facility has determined that the installation of structures or equipment listed in §112.7(c) to prevent discharged oil from reaching the navigable waters is not always practicable given the frequency and length of time the use occurs. Spill kits and vacuum trucks are present at the facility for oil removal. Consequently, the facility has developed a strong oil spill cont ingency plan. FCC maintains a current Combined Contingency Plan for its operations that include a designated Spill Response Team, spill response procedures, and well-defined and specific actions to be ta ken after discovery and notificat ion of an oil discharge. FCC maintains ongoing contracts with several oil spill response organizations capable of expeditiously mobilizing all necessary manpower, equipment and materials required to control and remove any harmful quantity of oil discharged.

FACILITY DRAINAGE (40 CFR 112.8[B]])

Stormwater runoff from outside the containment around the storage tanks will gravity flow to the settling tank / oil-water separator. Stormater from within the containment areas is inspected for sheen, and then discharged through valves which other wise remain closed. The stormwater runoff from the truck loading/unloading areas also gravity flows to the oil-water separator.

There are two sump areas outside the contain ment areas to retain and/or return any spilled oil to the facility. Spills that occur outside the containment will be cleaned up with on-site vacuum units assigned to the Plant City facility. In addition, sorbent materials, and shovels are on the site, if needed (40 CFR 112.7(c)). Spill Response Procedures are presented in Page i of this document.

If a worst-case dischar ge were to occur, it is predicted that much, if not all of the oil would be contained within the containment areas. What occurs outside of the containment or for areas where containment may be insufficient, the oil would be contained by the stormwater treatment system or in onsite retention areas.

When discovered, oil discharges ar e promptly collected, contained, and/or pump ed into on-site tanks. A [[g will be kept at the facility documenting spills that occur outside the seco} åary containment area and clean up procedures that are implemented.

BULK STORAGE TANKS (40 CFR 112.8.[C])

Each aboveground stor age tank is of steel construction and is compatible with the oils they contain and conditions of storage. With the exception of Tank 24K, there are no internal heating coils present in the tanks at the Plant City Facility. Tanks C1, C2 and C3 are equipped with high level alarms and a level gauge. Tan ks 1 through 12, 20V, T-83, T-630, 552, 10K, 20KV, 30KV, D5K, SKE, and SKW are also equipped with level gauges. By policy and practice, operations measures tank usage (inventory) routinely. Venting capacity is suitable for the fill and withdrawal rates.

All aboveground tanks are surrou nded by a concrete containment system (exc ept tank 63 0 secondary containment is constructed of steel) that provides secondary containment. The South

Tank Farm has secondary containment with a volume greater than 110 percent of the largest single tank and freeboard to accommodate precipitation events. The West Tank Farm has secondary containment sufficient to contain greater than 110% of any single tank except for T-552 which contains highly viscous fuel oil number 5 (refer to Section 6, Practicability), plus sufficient freeboard to accommodate precipitation events. The Refinery tank area has secondary containment sufficient to contain greater than 110% of t he largest single tank and sufficient freeboard to accommodate precipitation event. An y overflow from the secondary containment area is directed towards the oil/wat er separator system (which serves as tertiary containment). The facility is designed to contain process water and a ra infall event from a 24-h our 25-year storm. Contact storm water is not released to open waterways. It is managed as an industr ial oil/water or fuel/water mixture and pumped to the appropriate tank. There are no underground or partially buried storage tanks at the Plant City Facility.

In accordance with 40 CFR 112, all aboveground tanks ar e periodically inspected and tested t o ensure integrity. Aboveground tanks, tank supports, and foundations are inspected in conjunction with a monthly facility inspection pro gram. Operations personnel conduct a visual inspection of the facility and complete a checklist. A cop y of monthly fa cility inspection report is included i n Attachment C of this Plan.

All oil containing bulk storage containers shall be integrity tested per API Standard 653 or other applicable industry standards. No facility effl uent discharges to open waterways. Leaks t hat result in a loss of oil from tank seams, gaskets, rivets, and bolts are promptly corrected.

TRANSFER OPERATIONS, PUMPING, AND IN-PLANT PROCESSES (40 CFR 112.8[D])

All pipelines and valves are examined monthly to assess their condition. Aboveground piping is pressured tested and non-destructive testing is conducted on the tanks as warran ted by facility engineers.

All transfer operations are conducted in accor dance with Department of Transportation (DOT) procedures (49 CFR 177.834). Warning signs are posted at facility entrances and other locations as needed to prevent vehicles from damaging abov eground pipelines. Signs are also provided near loading and unloading areas to warn drivers to make sure that hoses are disconnected and capped as appropriate prior to exiting the area.

All pipe supports are designed to minimize abrasion and corrosion and to allow for expansion and contraction. No buried piping is utilized at the Plant City Facility.

TANK CAR AND TRUCK LOADING/UNLOADING RACK (40 CFR 112.7[H])

The transfer of petroleum products between tank truck and the bulk tank is considered an oil transfer operation. Such operations shall be conducted in accordance with appropriate U.S. Department of Transportation provisions (**49 CFR 177.834**) as follows:

- 1. Prior to commencement of loading or unloading from a tank truck/railcar:
 - a. By the way of a physical barrier system (per 112.7(e)(4)(iii)), the cargo tank wheels shall be securely chocked to prevent vehicular departures before complete disconnect of lines; and,
 - b. If the vehicle cab remains attached, the vehicle handbrake shall be securely set.
- 2. A cargo tank must be attended at all times during the loading or unloa ding transfer process. The attendee shall be a contractor or FCC employee familiar with tan k truck/railcar loading and unloading procedures.
- 3. For transfer to bulk storage tanks not having hi gh liquid level alarms, high liquid level pump cutoff devices, or a fast response system (i.e. digital com puters, telepulse, or direct vision gauges) for determining liquid levels, direct audible or code signal communications must be used between the tank gauges and the tank truck personnel during each bulk transfer operation.
- 4. During the loading or unloading transfer process, the cargo tank attendee must:
 - a. Be alert;
 - b. Have an unobstructed view of the cargo tank;
 - c. Be within 25 feet of the cargo tank; and
 - d. Be familiar with procedures to be followed in an emergency.
- 5. Upon completion of the loading or unloading transfer process, the tank t ruck/railcar attendee shall ensure that:
 - a. All manhole closures on the truck/railcar are closed and secured; and
 - b. All valves and other closures in liquid discharge systems are closed and free of leaks.
- 6. Prior to departure of any tank truck/railcar, the lowest drain and all outlets of such vehicle shall be closely examined for leakage; and, if necessary, tightened, adjusted, or replaced to prevent liquid spillage while in transit.

INSPECTION AND RECORDS (40 CFR 112.7[E])

In practice and policy, operations personnel on a monthly basis conduct a facility-wide inspection. These inspections include all abo veground tanks and appurtenances. A copy of the monthly checklist is provided in Attachment C. Once completed, the inspection reports are signed by the inspector and the facility manager and are maintained in the office for three years.

In addition to the monthly facility inspections, undocumented daily visual inspections are conducted. These inspections consist of a complete walk through of the facility property to check for tank damage or lea kage, stained or discolored soils, and excessive accumulation of water in containment areas.

SECURITY (40 CFR 112.7[G])

The facility is secured by steel chain-link fencing wall on all sides. Entrance gates are locked when the facility is unattended.

Drain valves are locked and always kept in closed position when facility is una ttended. Oil pumping equipment starter controls are mainta ined in the "off" position when the facility is unattended. Access valves are locked to prevent unauthorized access to the tanks.

Loading and unloading connection s of oil pipelines are capped when not in service or when in standby service for an extended period of time. Area lighting is located to illuminate the office and storage areas. Consideration was given to providing the ability to discover spills at night and prevent spills occurring through vandalism. At the facility, visitors check in with the on-duty dispatcher and are required to sign in and review general safety guidelines, as well as emergency and spill control procedures.

PERSONNEL, TRAINING, AND SPILL PREVENTION PROCEDURES (40 CFR 112.7[F])

Plant City Facility personnel have been instructed by management in the operation and maintenance of oil pollution prevention equipment and pollution control laws and regulations. The Plant City Emergency Coordinator is account able for oil spill prevention at the facility. The Emergency Coordinator is responsible for ensu ring the SPCC plan is implemented and that this plan is maintained and kept up to date.

Management provides spill prevention briefings for all oil-handling operations personnel to ensure adequate understanding of the SPCC Plan at least annually. These briefings h ighlight any past spill events or failures and recently developed precautionary measures. Training has been held on spill prevention, containment, and retrieval methods. Records of spill briefings and training is kept at the Facility and in employee personnel files. Instructions and phone numb ers regarding the reporting of a spill to the NRC and FDEP are listed in the Spill Response Procedures on Page iv of this document and have been posted in the office.

Spill prevention equipment maintained onsite include four vacuum trucks, six tanker trucks, eight tanker trailers, and one hundred 55-gallon waste containers. The facility maintains a spill cabinet inventory of 120 feet of absorbent boom, $600 - 18^{\circ} \times 1$ 8° absorbent pads, 600 lbs. of dr y absorbent, five sets of Tyvek suits, rubber glo ves, protective boots, a nd eye protection, and miscellaneous shovels, squeegees and brooms. The spill cabinet inventory is inspected weekly

and restocked as needed. Additional quantities of absorbent boom and absorbent pads are kept in bulk storage onsite.



Management Approval

I hereby certify that the information provided in this document is to the best of my knowledge true and accurate. The SPCC Plan is fully approved by the management of USFRS-MA and will be impremented as described (40 CFR 112.7). A copy of this plan will be maintained at the facility and a second copy with the authorized facility response coordinator.

R. Allèn. Facility Manager 3 2003

Engineering Certification

I hereby certify that I or my representative has examined the facility, and being familiar with the provisions of 40 CFR Part 112, attest that this Spill Prevention, Control, and Countermeasure (SPCC) plan has been prepared in accordance with good engineering practice in accordance with the requirements of 40 CFR Part 112, the procedures for required inspection and testing have been established, and this Plan is adequate for the facility consideration of applicable standards.

My agent, Sultan Anjum, performed an onsite SPCC inspection, and reviewed pertinent documents and information provided by U.S Filter Recovery Services for the purpose of verifying that proper management for oil use, storage, handling, and disposal are implemented at this site.

Blair D. Burgess, Jr. P.E.

Date

EMBOSSED METALLIC

Registration Number: 45460, State: Florida



Management Approval

I hereby certify that the information provided in this document is to the best of my knowledge true and accurate. The SPCC Plan is fully approved by the management of USFRS-MA and will be implemented as described (40 CFR 112.7). A copy of this plan will be maintained at the facility and a second copy with the authorized facility response coordinator.

Allen, Facility Manager 0,2003 Date

Engineering Certification

I hereby certify that I or my representative has examined the facility, and being familiar with the provisions of 40 CFR Part 112, attest that this Spill Prevention, Control, and Countermeasure (SPCC) plan has been prepared in accordance with good engineering practice in accordance with the requirements of 40 CFR Part 112, the procedures for required inspection and testing have been established, and this Plan is adequate for the facility consideration of applicable standards.

My agent, Sultan Anjum, performed an onsite SPCC inspection, and reviewed pertinent documents and information provided by U.S Filter Recovery Services for the purpose of verifying that proper management for oil use, storage, handling, and disposal are implemented at this site.

EMBOSSED METALLIO lair D

Registration Number: 45460, State: Florida



Management Approval

I hereby certify that the information provided in this document is to the best of my knowledge true and accurate. The SPCC Plan is fully approved by the management of USFRS-MA and will be implemented as described (40 CFR 112.7). A copy of this plan will be maintained at the facility and a second copy with the authorized facility response coordinator.

ry R. Alleh, Facility Manager

Engineering Certification

I hereby certify that I or my representative has examined the facility, and being familiar with the provisions of 40 CFR Part 112, attest that this Spill Prevention, Control, and Countermeasure (SPCC) plan has been prepared in accordance with good engineering practice in accordance with the requirements of 40 CFR Part 112, the procedures for required inspection and testing have been established, and this Plan is adequate for the facility consideration of applicable standards.

I performed an onsite SPCC inspection, and reviewed pertinent documents and information provided by U.S Filter Recovery Services for the purpose of verifying that proper management for oil user storage, handling, and disposal are implemented at this site.

Carol Beth Kessler, P.E.

Registration Number: 60598, State: Florida

Management Approval

I hereby certify that the information provided in this document is to the best of my knowledge true and accurate. The SPCC Plan is fully approved by the management of Hydrocarbon Recovery Services, Inc. and will be implemented as described (40 CFR 112.7). A copy of this plan will be maintained at the facility and a second copy with the authorized facility response coordinator.

a om Burdeshaw, Plant Manager

Engineering Certification

I hereby certify that I or my representative has examined the facility, and being familiar with the provisions of 40 CFR Part 112, attest that this Spill Prevention, Control, and Countermeasure (SPCC) plan has been prepared in accordance with good engineering practice in accordance with the requirements of 40 CFR Part 112, the procedures for required inspection and testing have been established, and this Plan is adequate for the facility consideration of applicable standards.

I performed an onsite SPCC inspection, and reviewed pertinent documents and information provided by Hydrocarbon Recovery Services, Inc. for the purpose of verifying that proper management for oil use, storage handling, and disposal are implemented at this site.

Carol Beth Jones, P.E.

2/8/2008

Date

Registration Number: 60598, State: Florida

SPCC PLAN REVIEW (40 CFR 112.5[B])

15.1 Amendment of SPCC Plan by Regional Administrator [40 CFR 112.4]

A written report shall be submitted to the USEPA Administrator – Region IV within 60 days of a discharge of more than 1,000 gallons of oil into or upon the navigable waters of the United States or adjoining shorelines in a single spill event, or discharges of 42 gallons of oil into or upon the navigable waters of the United States or adjoining shorelines in two spill events occurring within any twelve month period. The USEPA may require amendment of the SPCC Plan as a result of the written report submitted pursuant to this paragraph.

The information required in the subject written report, and the potential actions, which may result, as described in [40 CFR 112.4], are in Section 4.14 Spill Reporting Requirements of this Plan.

15.2 Amendment of SPCC by Owner/Operator [40 CFR 112.5(a)]

This SPCC Plan shall be amended by FCC whenever there is a change in facility design, construction, operation, or maintenance, which materially affects the facility's potential for a discharge of oil upon the navigable waters of the United States or adjoining shorelines. Examples of changes that may require amendment of the Plan include, but are limited to: installation, removal, replacement, reconstruction, or movement of oil containing equipment. Such amendments made under this section must be prepared within six months and be fully implemented as soon as possible, but not later than six months after such changes occur. A certified Professional Engineer must certify any technical amendment to this Plan in accordance with [40 CFR 112.3(d)].

Any such change shall be noted on the Review and Amendment Log (Attachment D) of the SPCC Plan. Entries made in the Review and Amendment Log will include the following information:

- The date of the change at the facility;
- A general description of those changes requiring amendment of the existing SPCC Plan (an additional description of changes can be inserted as an attachment to the log, if necessary);
- A listing of those pages of the SPCC Plan which were modified and/or affected;
- The signature of the person responsible for amending the plan; and,
- A notation as to whether the changes were significant enough to warrant re-certification by a Professional Engineer.

Any pages of the existing SPCC Plan that require revision will be noted on the Review and Amendment Log (Attachment D) with the date of the change. The revisions documented on the Review and Amendment Log (Attachment D) will supersede those SPCC Plan pages noted in the Review and Amendment Log (Attachment D).

15.3 Plan Review [40 CFR 112.5(b)]

The SPCC Plan shall be reviewed and evaluated for its consistency with the facility's operations and discharge potential at least once every five years. Completion of this review will be noted with an entry in the SPCC Plan Review and Amendment Log (Attachment D). If, as a result of this review, it is determined that this SPCC Plan accurately reflects the current (as of the time of the review) facility operations, spill potential, and spill response and prevention measures, then the entry made in the SPCC Plan Review and Amendment Log shall indicate that no changes were made. This entry will include the signature of the SPCC Plan reviewer.

15.4 Technical Amendment Certification [40 CFR 112.5(c)]

Amendments made to the SPCC Plan as a result of any technical amendments to the Plan, such as a change in facility design, construction, operation, or maintenance that materially affects the facility's potential for a discharge of oil, require certification of the SPCC Plan by a Professional Engineer. This certification must include signature and seal of a Professional Engineer and must be duly noted in the Review and Amendment Log. The new certification page must then be inserted into the SPCC Plan.

Minor changes, such as name changes of facility personnel or general facility information, do not require certification of the SPCC Plan by a Professional Engineer. However, these must still be noted in the Review and Amendment Log.

LIMITATIONS

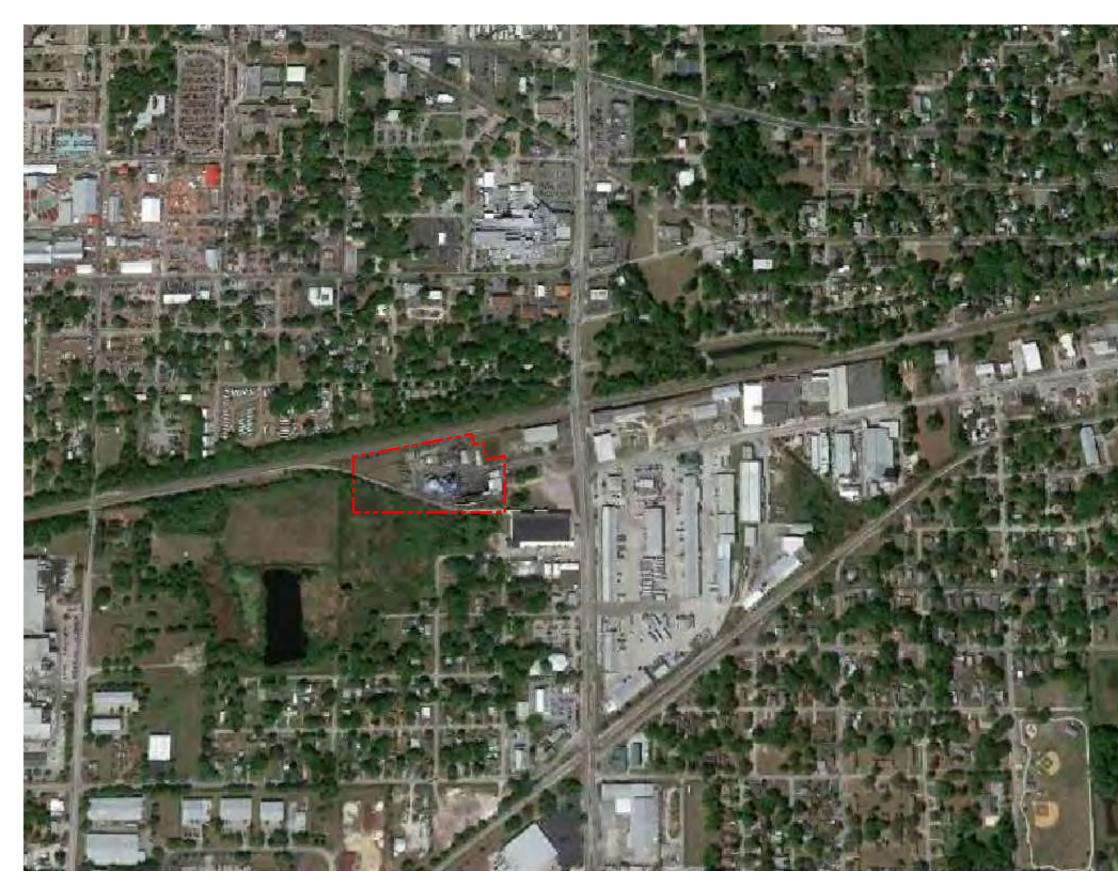
(Initial Issue) This plan and all supporting data and notes (collectively referred to hereinafter as "information") were gathered and/or prepared in accordance with generally accepted engineering and scientific practices in effect at the time of the assessment of the site. The information described herein is derived from oral information provided by the facility representatives, physical observations, and ENSR's interpretation of applicable regulations. ENSR shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this plan was prepared. This plan was solely prepared or collected for FCC. FCC may release the information to other third parties, who may use and rely upon the information at their discretion. However, any use of or reliance upon the information by a party other than specifically named above shall be solely at the risk of such third party and without legal recourse against ENSR, its parent company, or its subsidiaries and affiliates, or their respective employees, officers or directors, regardless of whether the action in which recovery of damages is sought is based upon contract, tort (including the sole, concurrent or other negligence and strict liability of ENSR), statute, or otherwise. This information shall not be used or relied upon by a party that does not agree to be bound by the above statement.

FIGURES

FIGURE #1

VICINITY MAP

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA

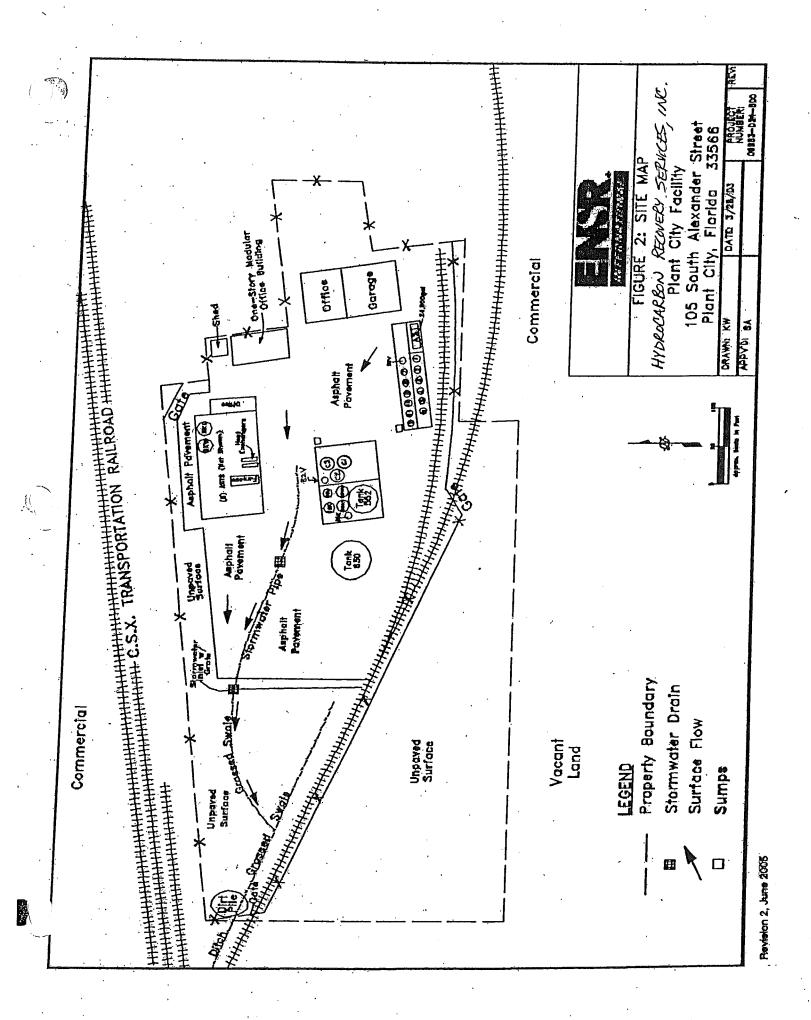


	LEGEND		DPERTY
15			
	FCC en	viro <i>nment</i> al	
	FIC SITE V	JURE 1 VICINITY MAP	
1	PRÔJ: Plant ci	TY SOLID WASTE	
100	MANAGE PLANT	EMENT FACILITY CITY, FLORIDA	
1.1.1.100	THIS IS NOT A LEGAL SURVEY VERIFY SCALE	DRN BY: DCB DAT	0/5/13
	U SUBLE SUBLE 0 IF NOT 1° ON THIS SHEET, ADJUST SCALES ACCOMMINGLY.	CHKD BY: SC FILE NAME:	N.T.S.
	SHEET, ADJUST SCALES ACCORDINGLY.		STE PLAN 1

FIGURE #2

SITE PLAN AND DRAINAGE MAP

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA



ATTACHMENT A

CERTIFICATION OF THE APPLICABILITY OF SUBSTANTIAL HARM CRITERIA

FCC ENVIRONMENAL, LLC PLANT CITY, FLORIDA

Attachment A Certification of the Applicability of the Substantial Harm Criteria (40 CFR 112.2)

FCC Environmental, LLC Plant City, Florida

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?



2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus su fficient freeboard to allow for precipitation within any aboveground oil storage tank area?



3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the f acility located at a dist ance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula ^1) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAAs "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" (see Appendix E to this part, section 10, for a vailability) and the applicable Area Contingency Plan.

Yes	Х	No	

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a compara ble formula) such that a discharge from the facility would shut down a public drinking water intake?

No. 1 - If a comparative formula is used, documentation of the reliability and anal ytical soundness of the comparable formula must be attached to this form.

No. 2 - For the purposes of 40 CFR part 112, public drinking water intakes are analogous to public water systems as described at 40 CFR 143.2(c).



X

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

Yes	No	Х	

Certification:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature:

Name_

Tom BURDESHAW (Please type or print)

PLANT MANAGER Title:

Date:

.

ATTACHMENT B RELEASE REPORTING FORM

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA

ATTACHMENT B RELEASE REPORTING FORM FCC Environmental, LLC PLANT CITY, FLORIDA

	RECORD OF SPILLS					d by:
Instruct	ions: Record all SPI SPCC Plan.	LLS and SPILL E	/ENTS (as defi	ned in 40 CFR 112.2) of oil that have oc	curred at the faci	lity since the effective date of this
			[Description	R	esponse Procedures
Date	Location	Type of Material	Type of Quantity Source/Reason		Amount of Material Recovered (units)	Preventive Measures Taken (include date measures taken)



SPILL LOG

ONE GALLON OR MORE

DATE	LOCATION	VOLUME	CAUSE/COUNTERMEASURE
8-1-2012	MAIN CONTAINED TANK C-1	75-8061	PLANT OPFRATOR FAILED TO
			SEE THAT TANK C-I WAS FULL
· ·			AND STARTED TO MAKE A
	·		TRANSFER THANK C- (OVERFIOND)
			Oil was wasted into sumps and
			RECOVERED INSIDE THE CONTHINGS
	· · · · · · · · · · · · · · · · · · ·		ATEN
10-4-7012	PARKING LOT DAVA STORAGE	10-15 GL.	SEVA RAIN FILLED ADRUN OF
			USAD Die FiltAns UP with
			WATTER CAUSING SOME DIL + WATTER
			TO SALL OVAL THE TOP ONTO THE
			MARLING LOT WAS COMME SPATOR
			Confictor For DisPOSAL
		-	ø
11-7-2012	TANK # 11 IN CONTRINMENT	40-50 GL.	WHILE DAVE BRANCH WAS
			LOADING THINK # 11 THE GAGE
			BECANE STUCK AND THE THIK
			OVALACIAD HE WAS ABRE TO SHUT
			THE PUR OFF AND APPLY DE-GREWAL
			AND HOSTE THIS THIS DOWN ALL OIL WAS INSIDE THE CONTAINING
12-14-2012	FILTE BASKET SOUTH THUL FARM	ZO-641.	WHIRE JASON BOWERS LAS
			TRANFFRIME OIL IN THE SOUTH
			TPAK FARM HE MAY HAVE CLOSED
			AVALINE AND CAUSE PRESUME TO
			BUND UP IN THE FILTER BASKET
			THIS CHUSED OIL TO CEAK OUT
			WITO THE CONTRINAT AREA, All
			OI WAS H WASHED DOWN 2000
			THE SLAUP AND PLATED 1100
			7-630



SPILL LOG

ONE GALLON OR MORE

DATE	LOCATION	VOLUME	CAUSE/COUNTERMEASURE
			Drum of solvent partially spilled. Initially
			applied absorbent for the first part of the
			clean up followed by Quick-Dry. All
			material recovered and properly disposed
04/00/44			of.
01/29/11	Drum Area	10 gallons	
			A hose, partially filled with oil, fell from a
			railcar. Degreaser was applied followed by
			hosing with water into the railside sump.
02/24/11		5 gallons	All oil was recovered into the water plant.
			Drum of AF partially spilled. Initially
		1	applied absorbent for the first part of the
			clean up followed by Quick-Dry. All
			material recovered and properly disposed
	Drum Area	20 gallons	of.
5-18-11	Dam Arfa	8-GALLON	DRUM OF USED OIL FILTERS
		ļ	TIPED OVER ALL OIL + FILTER
			CLEMED UP WITH AMSONGATS
9-21-11	SOUTH LOAD RACK COUTAINANT ARTA	10-GALLON	
			# 557 WITTEN PLUG WAS NEMOURD
			DIL CAME OUT WAS WASHED INT
			MAIN SUNP ANFA SMALL AMANT
			OF DEGRASSIN WAS APPLIED AS
			WELL.
3-14-12	FRONT LINE AND	10=15 GAILOU	
		1	His HOSES FULL PLANT OMMATTAR
			REMOVED IT FOR USE PULLED AUG
			AND THE HOSE DISCHARGO USED DIL
			ON TO OUR PAD/ OR WASI WASH
	· · · · · · · · · · · · · · · · · · ·		INTO SUMAS WITH PRESSURE MASH
		+	NO ABSORAFATS USED
	······································	1	
4-2-2012	RAIL SPUR CAR # 25045	ZO-GALLON	WHILE LONOING RAIL CAR WITH
7-2 2002	1 1. COLAR CHIER COM	w-onw	FINISHED OIL OVER THE TOP THE
		 -	3" LINE CAME LOSE FROM THE
			CAR FOR A MANNIT S RUASHAUG
		<u> </u>	Oil ON TOP OF CAR OIL RAN
· · · · · · · · · · · · · · · · · · ·		<u> </u>	DONN SIDES OF CHR ONTO ASPHART
	· · · · · · · · · · · · · · · · · · ·		DIL WAS CLEANED UP WITH A
	· · · · · · · · · · · · · · · · · · ·	<u> </u>	VAC TRUCK DECEMENT UNS USFO
		<u> </u>	WITH PRESSURE WASHER TO CUFA
			ASPHART STAINS AS GOOD AS ADDONY
		<u> </u>	Bio BUGS WARE ALSO USED
8-1-2012	RATE CAR SPUR	5-GALLON	WHILE LOADING RAIL CARE St
0	ICAIL GAIL STOR		GATX-43846 PLANT OFFICATION
			SAW THE CAR WAS FULL AND
			TURNED OFF THE RUMP BUT FAN
		<u> </u>	TO CLOSE THE VALUE ON THUS
			C-I C AND THE VALUE ON
			THIS OAN . DIL CONTINUES TO
		Ľ.	FILL THE CAR WILL IT STARTED

WITHIN MINUTES. WITH ABLOADERT PADS



SPILL LOG ONE GALLON OR MORE

DATE	LOCATION	VOLUME	CAUSE/COUNTERMEASURE
DATE			Hose left hooked to truck when moved.
			Cleaned with absorbents and dusted with
03/23/00	Front Line Asphalt area	2 00	Portlant cement.
- 03/23/09		2 gal	
512401	Front Line sump power outage	5gal	Breaker prched out, pump went
			att, Gilin, sunp over fower
			and want to OWS, OWS
			stopped of (. Cleaned up
	- ·		(sermined) w/ vac track, very
			heavy rains. 3" / day: Looking
	· · · · · · · · · · · · · · · · · · ·		at separating electrical
		A	Service for this sump.
5/5/10	Shaker pump/tub	5 gal	Shaker pump stopped, 1
-		0	but feel sing did not.
			Oil opentioned tub,
	· · · · · · · · · · · · · · · · · · ·		pour to sump (contained)
			Monarch driver ray throw
			sil in french post to
			sump, tracked oil outside
			conformente arto
-			as eliget a Cleaned a puill
			aligned on the thought
8-11-10	Tanker#5	< 50%	1 TOAK #5 overflowed
			dispine tilling, Dil
			cleaned & recovered
			Thank then a
8-16-10	Orum Area	2.98%.	Daring shand att
<u> </u>			denn lifter. Cleaned
			With 26504 bentsk
			1 7-1. 27
			VINS/EV BILA POF/10nd
1/18/11	Plant Sumps	10-15 tal	Plant France Clarge
110/11	I WAY JAMBS		August sumps over traved
	· · · · · · · · · · · · · · · · · · ·	<u></u>	Change devotrease. some off
		-	flowed to OWS and was
	· · · · · · · · · · · · · · · · · · ·		recovered, Slight sheen
· · · · ·	· · · · · · · · · · · · · · · · · · ·		posserver, in artoch was treated
	· · · ·		observed in didel was treaded with Aabaco "bags."
<u></u>			v
	······		· · · · · · · · · · · · · · · · · · ·
		4 A. 4	

ATTACHMENT C

MONTHLY FACILITY INSPECTION REPORT

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA

ATTACHMENT C MONTHLY FACILITY INSPECTION REPORT

FCC Environmental, LLC PLANT CITY, FLORIDA

Instructions:

An SPCC Plan Site Inspection shall be conducted annually. This record of the inspection shall be maintained at Responsible Service Center with the SPCC Plan for at least 5 years.

Date of Inspection:		
Any unrecorded changes to facility?	Yes	No
	lf "yes," des	scribe below and give
		No
	/or other SP0	CC No
Any evidence of leakage or spills? If "yes," describe below and give recommendations.	Yes	No
Name of Inspector (print) 8. Signature		
	recommendations, if any.	See SPCC Plan for definition of "unrecorded changes." If "yes," des recommendations, if any.

ATTACHMENT D

SPCC PLAN REVIEW AND AMENDMENT LOG

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA

ATTACHMENT D

SPCC PLAN REVIEW AND AMENDMENT LOG

	PURPOSE			P.E.	
DATE	REVIEW	AMENDMENT		LOCATION	RECERTIFICATION
10/20/03		х	Х	4,5,7,9,10,11,13,16	10/22/03
6/02/05	X	х	Х	COVER, TITLE SHT, iii, 4, 5,	6/02/05
		TANKS	TANKS	6, 7, 8, 9, 18, 19, 20 FIG. 2	
		C1, C2, C3	C1, C2, C3		
		INSTALLATION	INSTALLATION		
2/8/08	X		X	ALL – GENERAL REVIEW AND UPDATES	2/8/2008
7/14/08	Х	х	х	ENTIRE PLAN – 5 YEAR	
				REVIEW	
				COVER SHEET, iii, 10, 16	
10/28/08	Х	Х	Х	COVER SHEET, iii	
12/1/2009	Х		Х	COVER SHEET, iii	
5/14/2013	Х		Х	ALL- GENERAL REVIEW	
				AND UPDATES 5-yr review	
	1				

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA

ATTACHMENT E

SPCC PLAN FIVE YEAR REVIEW AND EVALUATION

FCC ENVIRONEMNTAL, LLC PLANT CITY, FLORIDA

ATTACHMENT E

SPCC PLAN FIVE YEAR REVIEW AND EVALUATION [40 CFR 112.5(B)] HYDROCARBON RECOVERY SERVICES INC.

PLANT CITY, FL

I have completed a review and evaluation of the SPCC Plan for the Hydrocarbon Recovery Services, Inc. Plant City Florida facility on <u>July 14, 2008</u> and will not amend the Plan as a result.

Jack Thornburgh, Branch Manager

<u>7/14/08</u> Date

ATTACHMENT E

SPCC PLAN FIVE YEAR REVIEW AND EVALUATION [40 CFR 112.5(B)] FCC ENVIRONEMNTAL, LLC

PLANT CITY, FL

I have completed a review and evaluation of the SPCC Plan for the FCC Environmental, LLC Plant City Florida facility on <u>May 14, 2013</u>. There were administrative changes, but not any engineering changes according to my knowledge that would require a PE certification and stamp. This was reviewed with Angelo Pousa, Area Manager and Scott Crandall, EHS Director.

Vinnie N. Glorioso

<u>5/14/2013</u> Date

Fire Protection and Emergency Action Plan



This program supersedes any existing programs.

BRANCH/FACILITY LOCATION:

105 S. Alexander Street, Plant City, FL 33563

May 2013

Fire Protection & Emergency Action Plan

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STATEMENT OF POLICY

We are all aware of the devastation that a serious fire can cause. Our main concern is for personal safety, but fires can create loss of assets and jobs and incur large business interruption losses.

This manual is intended to provide a source of basic information to establish, improve, and maintain an effective property conservation and loss control program. The manual is based upon the policies and practices of organizations such as the National Fire Protection Association (NFPA), Underwriters Laboratory (UL), various insurance companies and insurance brokerage companies, and where applicable, OSHA Regulations.

This manual may not address all situations which may arise concerning loss prevention. When confronted with matters that are beyond the scope of this manual, other sources are available for use such as insurance company and brokerage engineering groups. These organizations can provide valuable assistance in solving those unique loss prevention problems presented.

FCC Environmental is committed to addressing an on-going loss prevention effort to protect employees and assets. While each employee is responsible for working in a safe manner and maintaining his or her aspect of the organization, management is ultimately responsible for the operations under their direction.

The project/branch/facility may substitute their own site specific manual which has been completed due to another regulatory agreement or meets the minimum requirements in this program.

Angelo Pousa Facility Manager

1.0 Purpose

The purpose of this plan is to provide procedures or guidelines for the responding to fires, and various other emergency situations.

2.0 Scope/Applicability

This program, in whole or part, applies to all FCC Environmental facilities to include administrative buildings.

3.0 Definitions

An impairment occurs any time fixed fire protection systems are removed from service. There are three types of impairments:

- Planned Impairment: Occurs when it is necessary to shut down a fire protection system for maintenance or modification. Examples: Shutting down a halon fire suppression system to relocate discharge nozzles or shutting off a sprinkler system during remodeling.
- Emergency Impairment: Occurs when an unforeseen incident or accident partially or totally impairs the protective system. Examples: Sudden break in an underground water main, forklift damages a sprinkler system facility line.
- Hidden Impairment: Occurs when it is not known that an impairment has occurred. Examples: System is shut down and inadvertently left out of service upon completion of work, shut down without proper notification, or maliciously impaired.

4.0 References

29 CFR 1910.37, 1910.38, 1910.157

5.0 Responsibility

5.1 **Project/Branch Manager**

The project/branch manager ensures that this procedure is implemented and followed and monitors the project's/facilities fire prevention and emergency action program to ensure that the program is in place and that it complies with this procedure.

5.2 EHS Manager

The EHS Manager monitors and audits compliance with this program.

5.3 Supervisors

Foremen, general foremen, subcontractor supervisors, and project supervisors ascertain compliance with every facet of this procedure relative to employees adhering to and understanding the fire prevention and emergency action program as it relates to their individual task assignment.

5.4 Employees

Employees will follow all rules and programs as it relates to the fire prevention and emergency action program.

6.0 Requirements

6.1 Training

All employees are to receive fire prevention and emergency action plan training upon being hired, or whenever an employee's duties or a process/procedure changes. The training must include the following:

- Review of the combined EAP/FPP
- Emergency escape procedures and emergency route assignments
- Procedures for any employees who remain to operate critical project/facility operations prior to evacuation
- Procedures to account for all employees (including visitors) after an evacuation has been completed
- The means of communicating fires and other emergencies
- Additionally under the plan and for projects/facilities that may use fire extinguishers for incipient type small contained fires or have fire extinguishers available on site, employees must be trained on the FCC Environmental Fire Extinguisher Training Topic (Exhibit IV).

6.2 Drills

Emergency evacuation drills are conducted annually for all shifts.

6.3 Plan Updates

The combined FPP/EAP must be reviewed and if necessary, updated annually or as changes occur.

6.4 Emergency Operations Center/Emergency Coordinator

Each branch project is required to establish an Emergency Operations Center (EOC). The EOC will serve as the communications hub in the event a fire or emergency incident occurs at the project/branch. Additionally the EOC must be staffed by the branch/project appointed Emergency Coordinator and members of the emergency response teams, who are responsible for coordinating the emergency incident.

6.5 Communication Systems

In the event of an emergency the project/branch must have an established communication system to alert employees. Additionally, the project/branch must establish an emergency communication system in the event normal communication channels are knocked out or unavailable.

6.6 Emergency Escape Procedures and Routes

Escape procedures and routes must be posted conspicuously around the facility.

6.7 Assembly areas and accounting for employees

In the event of an emergency, employees must be told where to assemble after evacuating the facility. It is the responsibility of the project/branch to establish a means of accounting for all employees, visitors, contractors, etc at the established assembly area.

6.8 **Procedure to shut down processes, equipment, etc.**

FCC Environmental employees will shut down processes, equipment and utilities if this can be done without jeopardizing their safety.

Facility specific procedures for both shutdown and startup must be developed as a component of this plan. The personnel responsible for the shutdown and startup processes must also be trained in these procedures.

6.9 Emergency Procedures

6.9.1 Fire

IF YOU DISCOVER A FIRE OR SMELL SMOKE:

- Stay calm!
- Call the Fire Department
- State the facility name and address
- State the type of emergency
- State the exact location inside the building where the emergency has occurred.
- Answer any questions asked.

- Stay on the telephone until the responding agency states that it is okay to hang up.
- Notify your supervisor.
- Alert all others in the immediately vicinity.
- DO NOT PLACE YOURSELF IN JEOPARDY!
- Quickly make sure no one is left in the immediate area of the fire and close all doors.
- If you have received fire extinguisher training, use a fire extinguisher to extinguish or control the fire only in its incipient stage until the Fire Department arrives. <u>DO NOT</u> <u>FIGHT A FIRE THAT APPEARS TO BE OUT OF</u> <u>CONTROL!</u>
- Never enter a smoke-filled room.
- Touch doors before opening them. If the door is warm, DO NOT open the door as there may be fire behind the door which will spread if the door is opened. If the door is cool, open the door carefully, a little at a time, to prevent injury and the spread of smoke.
- Evacuate the building and report to your assembly area for head count.
- Report to your supervisor the names and locations of any people you know still remain in the building or are missing.
- Remain outside until directed to return by management.

6.9.2 Medical

Do not attempt to move the injured person unless the person's life is threatened by remaining in the area.

Call immediately for medical attention:

- State the facility name and address.
- State the type of medical emergency.
- State the exact location inside the building where the emergency has occurred.
- Answer any questions asked.
- Stay on the telephone until the responding agency states that it is okay to hang up.

- Contact your supervisor. (The supervisor will have someone meet the responding agency and direct them to the incident site.)
- Remain with the person until help arrives.
- Be prepared to answer questions and describe the circumstances of the medical incident.

NOTE: Follow your Post Injury Management Plan for reporting and injury management.

6.9.3 First Aid/CPR

First aid/CPR response is limited to the following:

- control external bleeding
- aid pain
- splint fractures
- provide comfort
- perform CPR

Only those employees who have had first aid/CPR training are authorized to administer first aid/CPR.

All first aid responders receive Bloodborne Pathogen control training annually.

If you would like to become First Aid/CPR certified please contact your Divisional or Regional HSE Manager.

6.9.4 Tornado

- REMAIN CALM! Don't panic or run. Think before reacting.
- Always move away from windows and if unable to reach one of the designated areas, take shelter under a bench or desk.
- Listen for instructions from your supervisor.
- If an evacuation is ordered, proceed to your shelter area for a head count.
- Remain in shelter area until directed to return by management.

6.9.5 Bomb Threat

ANY PERSON RECEIVING A BOMB THREAT CALL SHOULD:

- Keep the caller on the line as long as possible. Ask the caller to repeat the message. Record every word.
- Pay particular attention to peculiar background noises such as motors running, background music, and any other clue as to where the call is being made.
- Notify your supervisor.
- Complete the Bomb Threat Checklist. (See Exhibit III)
- Supervisors will notify the Emergency Coordinator.
- The Emergency Coordinator will:
 - o Notify the Police Department.
 - Notify the Fire Department.
 - o Begin an area search.
 - Announce an evacuation. (The decision to evacuate the building should be made in consultation with the police and fire departments and senior management).

IF YOU OBSERVE OF RECEIVE A SUSPICIOUS LOOKING LETTER OR PACKAGE:

- Do not try to open it.
- Notify your supervisor.
- Do not put the article in water or a confined space such as a desk or filing cabinet.
- If possible, open windows in the immediate area to assist venting potential explosive gases.
- Supervisors will notify the Emergency Coordinator.
- The Emergency Coordinator will:
 - Isolate the object and evacuate everyone in the vicinity to a safe distance.
 - Notify the Police Department.
 - Notify the Fire Department.
 - o Coordinate response activities.

6.9.6 Hazardous Materials

Accidental spills or releases of hazardous materials require special response. Each project/branch that has hazard materials that may spill is required to have an Emergency Response and Contingency

Plan. The plan musts address how the project will handle hazardous material spills. Specialized training is required for any project/branch that requires its employees to actively handle spills. Additionally, other projects/branches may be required to have a Spill Prevention Control and Countermeasures Plan (SPCC). In the event of a spill, consult and initiate the plan. Report all spills immediately to your supervisor. If a spill occurs that may harm facility personnel initiate your emergency alarm system.

6.9.7 Earthquake

- REMAIN CALM! Don't panic or run. If you can stay calm, you will be better able to assess your situation. Think through the consequences of any action you plan to take.
- If you are inside a building, stay there. If you are in danger:
 - Seek cover under a sturdy desk or table.
 - o Brace yourself in an inside corner away from windows.
 - Move to an inner wall or hallway.
- Choose shelter that will provide an air space, if it collapses. Watch for falling objects - plaster, bricks, light fixtures and other objects.
- Stay away from tall bookcases, high shelves, cabinets and other furniture or equipment that might slide or topple.
- Stay away from windows, sliding doors, mirrors and chimneys.
- Grab anything handy (coat, purse, newspaper, magazine, etc.) to shield your head and face from falling debris and splintering glass. If none of the above is nearby, cover your head with your hands and arms.
- DO NOT RUSH OUTSIDE!
- If you are outside, stay there. Move away from high buildings, walls, power poles, lamp posts, trees, etc. Stay away from electrical power lines. If possible, proceed cautiously to an open area.

6.9.8 Power Failure

- Stay calm!
- Stay where you are. The more persons move about in the dark greatly increases the number of potential injuries and interferes with repair crews.
- If you have a flashlight at your work area, use it.

- Without risking injury, turn off electrical power to non-critical office machines and appliances. Computer equipment should be powered down in accordance with established procedures.
- Refrain from using the telephone unless absolutely necessary.
- Follow your supervisor's instructions.
- Evacuate the building when it is safe to do so.
- Assemble in your pre-assigned areas outside the building for a head count.
- Use the 'buddy system' to account for co-workers. Report missing co-workers to your supervisor.
- Remain outside until directed to return by management.

6.9.9 Civil Disturbance/Strike

IF THERE IS A CIVIL DISORDER OCCURRENCE:

- Remain calm!
- Stay in your work area. Continue to perform your work duties until instructed otherwise.
- Do not leave the building or structure until the Emergency Coordinator instructs you to do so.
- If participants enter the building:
 - o Be courteous and do not provoke an incident.
 - Notify your supervisor.
- Avoid using the telephone unless there is an emergency.
- Do not become a spectator. Leave or avoid the area to prevent injury or possible arrest.
- Do not argue or debate with a participant.
- Avoid all window areas.
- Close drapes or blinds.
- Lock doors only if it does not jeopardize evacuation in case of fire.

6.9.10 Hurricane

Hurricanes are generally slow moving systems, which allow for adequate planning and response. During hurricane season (August through November) all personnel should keep abreast of hurricane advisories and warnings. The National Weather Service provides timely summaries of storm movements, tracks, and warning areas. Generally, the decision for work will be made 24-48 hours prior to expected landfall or in adequate time for employee response. Your supervisor will notify you of facility heavy weather actions.

In the event that landfall of a hurricane in imminent (within 24 hours) for the area of the facility, heavy weather procedures will be initiated. These will include:

- Only designated personnel will report to work. Designated personnel will initiate shutdown activities. All drums or other loose containers will be moved to safe interior locations or secured for hurricane for winds within containment.
- Trucks and other company vehicles will be moved inland by convoy.
- Once heavy weather procedures are complete, all personnel should anticipate difficult entry and a potential for downed power lines and other utilities.
- After storm passing (for an expected 24 to 48 hours) only designated personnel should report to work. Designated personnel should anticipate difficult entry and a potential for downed power lines and other utilities.
- Start-up procedures should only be initiated after verification of safe utility services, mechanical integrity, and plant operations.

All personnel should contact the facility within 24 hours of storm passing to determine the post-storm work schedule.

6.10 General Procedures

6.10.1 Cutting, Welding, And Other Hot Work

REFER TO THE FCC ENVIRONMENTAL HOT WORK PROGRAM.

6.10.2 Electrical Fire Safety

REFER TO THE FCC ENVIRONMENTAL ELECTRICAL SAFETY PROGRAMS.

6.11 Housekeeping

Proper housekeeping procedures will reduce the potential for a fire. Management is responsible for maintaining high standards for housekeeping and ensuring that all staff support and comply with good housekeeping practices.

Poor housekeeping contributes to greater loss potential by increasing fire and explosion hazards. Proper housekeeping procedures will reduce the potential for a fire, reduce maintenance costs, and present a positive reflection of management's concern for high standards.

Exits and Exit Corridors: A clear path, at least 36 inches wide, and 7.5' high for exits shall be maintained at all times.

Aisles: Aisles in storage areas and warehouses shall be maintained free and clear of storage and obstructions.

Smoking: Smoking shall only be allowed in designated areas.

Debris Disposal: Waste materials shall be removed from the buildings on a daily basis.

Fire Extinguishers: Clear access to portable fire extinguishers shall be maintained at all times.

Electrical Panels: There shall be no storage, even on a temporary basis, within 3 feet of any electric circuit breaker, fuse, motor control center or electrical panel.

Electrical Equipment Rooms: Storage is not permitted inside electrical equipment rooms.

Flammable Liquids: Areas where flammable liquids are stored and handled shall be kept clean.

Aerosols: Store aerosols inside locked metal cabinets or rooms specifically designed for aerosol storage.

Oil Soaked Rags: Rags which have been used with oily products such as linseed oil, motor oil, paint thinner, gasoline, etc. must be kept in a metal UL listed or Factory Mutual (FM) approved safety can equipped with a self-closing lid. Clean rags shall be stored in a metal container, such as a garbage pail with a lid.

Cutting and Welding: A "Hot Work" permit shall be issued for any cutting, welding, or other hot work which is conducted outside of designated maintenance areas.

Compressed Gas Cylinders: Secure compressed gas cylinders, using chains near the top and bottom of each individual cylinder. The protective cap shall be installed on any compressed gas cylinder that is not in service. Store compressed gas cylinders in specially designated areas.

Loading Docks: Stock and pallets shall not be left overnight on loading docks or where accessible to the public.

Automatic Sprinkler Systems: Sprinkler risers, control valves, etc. shall be accessible at all times. Stock, furniture, or equipment shall not be stored against sprinkler controls. Maintain a 3 feet wide path to sprinkler equipment, especially sprinkler system shut-off valves.

Sprinkler Clearance: To allow for proper water distribution from sprinkler systems, all storage and other obstructions should be at least 18-inches on a continuous plane below the sprinkler heads.

Vegetation or Grass: Remove or trim vegetation away from chimneys, buildings, transformers, and the like.

Heat Producing Appliances: Maintain a safe clearance around heat producing appliances such as boilers, heaters, cook-tops, and Bunsen burners.

6.12 Smoking

Smoking is permitted only out of doors or in the designated smoking area.

6.13 Spray Finishing

All spray painting is to be performed in an approved paint booth with the ventilation system operating. Filters and floor covering paper are to be replaced on a regular basis and disposed of in an acceptable manner.

6.14 Flammable and Combustible Liquids

All flammable and combustible liquids are to be stored approved rooms or cabinets.

6.15 Fire Doors

All fire doors shall be maintained in good operating condition. Fire doors are one of the most widely used and accepted means for protecting vertical and horizontal openings from spreading smoke and fire in a structure fire. Fire doors are manufactured to specifications designed to withstand various degrees of fire exposure for a specified amount of time.

6.16 New Construction

A fire prevention plan review shall be conducted for additions, renovations, or new construction.

A critical examination of the plans for construction or renovation will provide for adequate fire protection, avoid costly retrofitting or redesign and insurance penalties and/or extra charges as a result of inadequacies.

- FCC Environmental management shall be notified whenever there are plans to alter the fire protection, type of storage, or similar changes that may effect the fire protection, insurance program, etc.
- FCC Environmental insurance broker shall be notified of any proposed changes that will effect the property protection.
- A designee of the broker will review the proposed changes to determine if they require further review by the insurance carriers and expedite the carrier review process, if applicable.

6.17 Insurance Company Loss Prevention Surveys

Insurance property loss prevention surveys will be periodically conducted. Recommendations developed as a result of these surveys shall be carefully evaluated by senior management.

These surveys are mainly for the purpose of evaluating loss prevention programs and features to determine whether adequate protection is provided. The surveys also reinforce good fire prevention practices and provide a means of reporting conditions, recommendations and progress to management.

6.18 Fire Protection Equipment

6.18.1 Fire Protection Equipment Approvals

All fire protection equipment shall be UL listed and/or Factory Mutual approved.

6.18.2 Fire Protection System Impairments

Management is responsible for ensuring that automatic fire protection systems are in good operating condition. Special precautions shall be taken during an impairment. It is important hat the impairment be corrected as soon as possible, even if overtime labor is needed. Fire protection systems are provided to enhance life safety and property protection and to assure the continuation of operations without unnecessary interruption. Fire protection systems have a proven record of successfully extinguishing or controlling fires. However, these fire protection systems cannot be expected to perform their intended function if they have been removed from service.

Management shall take appropriate steps to minimize and control fire protection impairments by:

- Limiting the frequency, extent, and duration of all impairments.
- Working continuously on impaired equipment until it is restored to service.
- Reducing the chance of fire by shutting down hazardous operations.
- Increasing surveillance and fire fighting capabilities.
- Restoring all systems promptly.
- Verifying by test that the systems have been properly restored.

6.18.2.1 Planned Impairment Procedures

- Notify FCC Environmental. Contact Business Unit or Regional HSE manager.
- Complete a Fire Protection Impairment Report (if required).
- Notify casualty insurance carrier as required:
 - Notify the Central Station or other agency furnishing fire protection signaling service.
 - Notify the public fire department, and in-house security and emergency response organization.
- Keep a record of the shut valve(s) or other piece of impaired equipment.
- Have everything ready (i.e., completion of excavation operations, repair parts) before shutting any valves or systems.
- The restoration operations should be on a continuous 24-hour basis. Impairments should be as short in duration as practical.
- If possible, perform the work when the facility is not operating. Restoration operations should

begin immediately if this is not considered practical.

- Shut down hazardous processes.
- Prohibit smoking throughout the affected area.
- Patrol areas where protection is out of service.
- Have extra fire extinguishers available and/or charged hose lines laid out where protection is out of service.
- Telephone or fax FCC Environmental' safety office and casualty insurance company as required and advise when protection has been restored.

6.18.2.2 Red Tag Alert System

- Attach a tag to the main shutoff valve of all inoperative sprinkler systems or other impaired equipment.
- Complete the front of the tag before attaching the tag to the valve.
- Follow the notification procedures above.
- Maintain a completed tags file.

6.18.2.3 Emergency Impairment Procedures

It may not be practical in an emergency to follow the standard procedures above. However, all of the steps should be taken as soon as possible.

Upon discovery of an impairment to sprinkler system piping or breaks in water mains to sprinkler systems, the control valve or valves will need to be closed. FCC Environmental. Management and casualty insurance company shall be advised and all other emergency precautions implemented.

6.18.2.4 Hidden Impairment Procedures

- Restore protection immediately.
- Report the discovery to the appropriate supervisor.
- Attempt to learn the reason for the occurrence.
- If the automatic sprinkler system shut-off valve(s) is monitored by a central station or proprietary

alarm system and the valve closure was not confirmed by the monitoring agency, identify the reason for the failure and implement immediate corrective measures.

• Notify FCC Environmental Management and casualty insurance company.

6.18.2.5 Restoring System

After a sprinkler valve is reopened, a 2-inch drain test shall be conducted. Observe the drop in pressure to verify that it is normal. If the pressure drop is extreme and does not build up, the system is impaired and immediate investigation is necessary.

6.19 Self Inspections/Maintenance/Testing for Automatic Sprinkler Systems

Automatic sprinkler systems shall be tested monthly. Testing will help to ensure that sprinkler systems are in good operating order. Drain tests are used to determine whether water supplies are unobstructed and clean. Inspector's tests verify the operation of the local water flow alarm, receipt of off site supervision of the alarm, where applicable, and verification of a free and unobstructed flow of water through the sprinkler system piping to the inspector's test valve discharge outlet.

Verification and procedures for testing for the following must be taken into consideration, based on the system type at your project/branch.

If the sprinkler system is monitored on site or by an outside agency such as a central station, verify that they received an alarm, what type(s), and when.

6.19.1 Monthly Inspection Reports (MIR)

FCC Environmental requires each operating facility to complete a monthly self inspection and keep on file at the facility.

6.20 Media Relations/Crisis Management

No one ever anticipates a crisis, but crises inevitably occur. And when they do, media are generally the first to call attention to them. Accidents, leaks, fires can receive instantaneous, widespread coverage, especially from television. The Facility Manager is the key contact in these crises.

The FCC Environmental Corporate Public Relations Team should be notified immediately in these situations.

The Corporate Public Relations Team has developed a crisis management program and guide in an effort to train employees of how to deal with media during crisis situations.

7.0 Records Retention

This program must be current at all times.

8.0 Forms Required

See Exhibits

9.0 Exhibits

Exhibit I – Evacuation Routes Diagram

Exhibit II - Assembly Area Diagram

Exhibit III – Bomb Threat Checklist

Exhibit IV – Fire Extinguisher Training

Exhibit V – Fire prevention and emergency action plan Annual Certification and Revision Table

10.0 Program Information (to be completed by project/branch)

10.1 Enter the type(s) of emergency alarm system(s) at the project/branch:

Evacuation Siren

10.2 The testing frequency for the above alarm system(s) is/are:

Monthly

10.3 Emergency numbers for fire, police and medical are posted at each phone and (enter location(s)):

Yes

10.4 Emergency phone numbers for:

Fire: 911_____

Police 911_____

EMT 911_____

Hazardous Materials Clean-up Contractor: SWS_____

10.5 The primary Emergency Operations Center (EOC) or Command Post is located (enter location):

Main Office

10.6 The alternate EOC is (enter location):

Sales office

10.7 The project/branch Emergency Coordinator is (enter name and all applicable phone numbers):

Angelo Pousa 813-754-1504 x 3117 Cell 954-868-1376

5639 Superior Drive Lakeland FL 33805

10.8 The alternate Emergency Coordinator(s) are (enter name(s) and all applicable phone numbers):

Mike Bisson 813-754-1504 x 3126

6521 Clair Shore Dr. Apollo Beach FL 33572

10.9 List other types of communication systems available and the locations the equipment is stored in an emergency situation (i.e. 2-way radios, cell phones, air horns, etc):

Cell Phones

10.10 An Evacuation Route diagram is included in Exhibit I and is posted in the following locations (included on the diagram is the location of fire protection equipment, i.e. fire extinguishers, hoses, fire hydrants, standpipes etc.):

	standpipes etc.).
	All buildings
10.11	An Assembly Areas diagram is included in the Exhibit II and is posted in the following locations:
	All buildings
10.12	List the personnel responsible for accounting for personnel at the
	assembly areas: Angelo Pousa or Mike Bisson
10.13	First aid kits and supplies are located: (enter location(s) of first aid kits and person responsible for ensuring they are stocked):
	Front Office, Lab, Sales Office, Field Service Office
10.14	The following areas are designated as tornado shelter areas: <u>N/A</u>
10.15	The Facility designated smoking area(s) is:
	West outside corner of the Sales Office, and slightly North of Scale House
10.16	The facility does have an automatic sprinkler system (list the type of

system):

Does not have an automatic sprinkler system.

10.17	All sprinkler control valves are locked open and are equipped with tamper alarms monitored by (write in name of company and address if applicable): N/A
10.18	Sprinkler testing and alarm monitoring records can be obtained from (list alternates): N/A
10.19	The following are the Corporate Communications contact personnel and phone numbers (list all available phone numbers for each person): Angelo Pousa 954-868-1376
	Mike Bisson 813-478-5342
	Scott Crandall 813-335-5341
10.20	Annual fire extinguisher inspections are performed by (enter name of company):
	4 th Element Fire and Safety
	503 Dundee Road Dundee FL
10.21	Monthly fire extinguisher inspections are performed by FCC Environmental personnel (list responsible individuals):
	Angelo Pousa
10.22	Training records can be obtained from (list alternates):
	Angelo Pousa, Mike Bisson, Alan Stinson

10.23 The annual evacuation drill will be held (enter date):

Every Year in August

EXHIBIT I

EVACUATION ROUTES DIAGRAM

Insert Facility Specific Evacuation Diagram Here

EXHIBIT II

ASSEMBLY AREA DIAGRAM

Insert Facility Specific Assembly Area Diagram Here

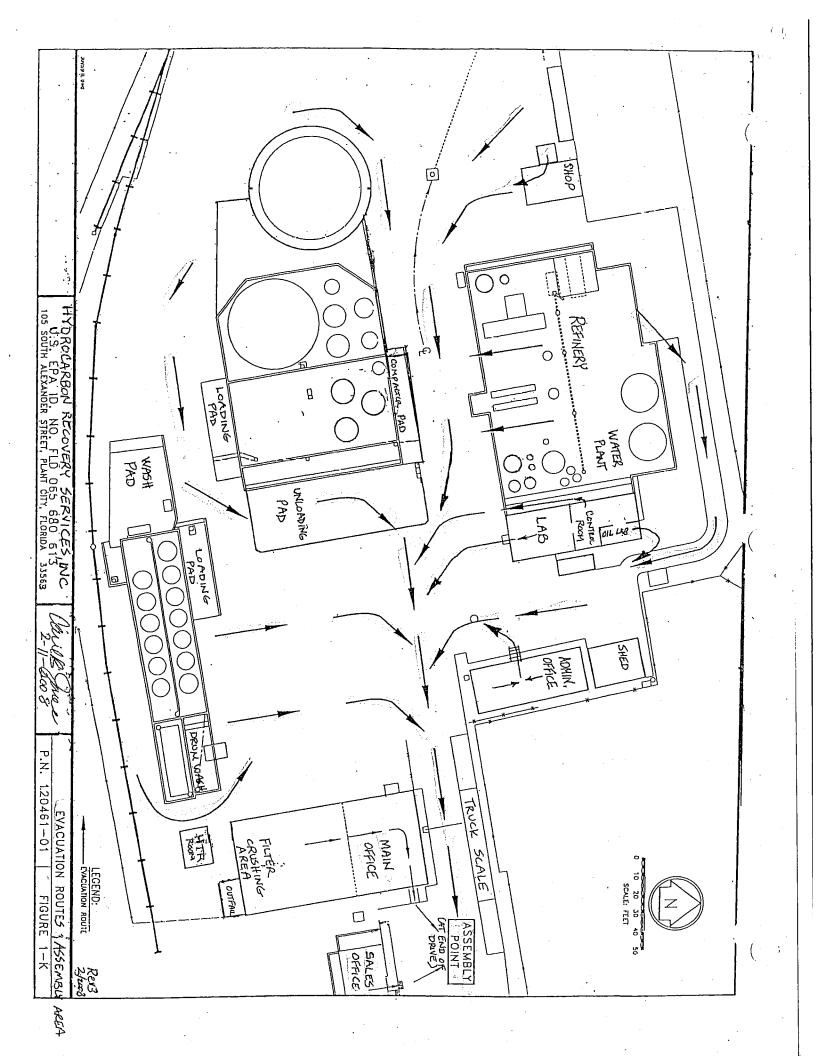


EXHIBIT III

B ● *MB THREAT CHECKLIST							
Name of operator, or person receiv	ving call						
Date of Call	Time	_ □a.m. □p.m.					
Origin of Call: (If Known) Local Long Distance Identity of Caller:	Phone Booth Internal I						
Voice Speech Loud Soft High Pitch Deep Raspy Pleasant Intoxicated Other	Lang	juage □ Good □ Foul □ Poor					
Accent Local Foreign Racial Regional Type	Manner Calm Cangy Rational Irrational Coherent Incoherent Deliberate Emotional Righteous Nervous La	ugh					
<u>Sex</u> □ Male □ Female	Background NoiseOffice MachinesFactory MachinesAnimalsAriplanesStreet Traffic	Music					
Who did you inform about the call?	?	Other					
If caller seemed familiar with our fa	acility, building or operation indica	ate how					

As well as you can, write what the caller said.

B * MB THREAT CHECKLIST

Questions To Ask

1.	When is the bomb going to explode?
2.	Where is the bomb?
3.	What does it look like?
4.	What kind of bomb is it?
5.	What will cause it to explode?
6.	Did you place the bomb?
7.	 Why?
8.	Where are you calling from?
9.	What is your address?
10.	What is your name?
Rema	rks:
Perso	n receiving call:
Telepl	none number call received at:

EXHIBIT IV

MONTHLY SAFETY TOPIC

FIRE EXTINGUISHER TRAINING

FCC Environmental has a policy of supplying fire extinguishers in all its facilities, to be used for fighting incipient stage fires. Fire extinguisher training is to be conducted for new hires and annually thereafter.

Fire Chemistry

To understand how to fight a fire, it is import ant to know the four elements necessary to have a fire – fuel, heat, oxygen and a chemical chain reaction. If any one of these is removed, the fire will go out.



Classifications of Fires:

All fires are grouped according to the type of fuel involved.

- Class A ordinary combustibles wood, paper, cloth
- Class B liquids or gases
- Class C energized electrical equipment
- Class D combustible metals magnesium, sodium, lithium

Fire Extinguishers

There are two main reasons for having fire extinguishers readily available:

- To suppress a fire along an escape route so trapped personnel can exit a burning structure; and
- To extinguish or contain a fire from the time it is discovered until the arrival of fire department personnel.

At FCC Environmental, class A, B and C fire s are addressed in training. If there were ever materials present which could be in volved in a Class D fire, special fire extinguishers will be brought in and training conducted.

Only incipient stage (wastebasket size) fires are to be fought.

Most fire extinguishers provided are A - B - C dry chemical. These fire extinguishers stop the chemical chain r eaction, or halon. Some CO ₂ extinguishers may be present. Discuss the types of extinguishers at your location and the fires they can fight.



Fire Fighting Techniques

Fire fighting at FCC Environm ental is restricted to incipient stage (wastebasket size) fires.

If the fire is larger than this size, evacuate the building and then call the fire department.

If the fire is of the size that you can fight, follow this procedure:

- 1. Approach the fire from up wind, if applicable. Never posit ion yourself so that the fire is between you and the nearest exit.
- 2. Pull the pin that locks the handle in place.
- 3. Test the extinguisher before getting close.
- 4. Aim at the base of the fire, spray with a sweeping motion to cover the entire fire.
- 5. Back away from the fire just before the extinguisher is exhausted.

Remember P.A.S.S.

Pull the pin Aim at the base of the fire Squeeze the handle Sweep from side to side

Demonstrate fire extinguisher techniques (i f you choose to actually discharge a fire extinguisher, make arrangements to have it recharged that day).

If the fire is not out, evacuate the building and call the fire department.

If the fire is out, call the fire department non-emergency number and report that you have an extinguished fire. They will probably send someone out to investigate.

Call the fire extinguisher servicing company to recharge the fire extinguisher.

Caution! Fighting a fire can be dangerous!

- Use care when lifting and carrying a fire extinguisher.
- Stay far enough back so that you don't get burned.
- Never turn your back on a fire.
- If at any time, you feel the fire is getting out of control, leave the area immediately, evacuate the building and call the fire department.

Inspection, Maintenance and Testing

Obviously, it's very important that an extinguisher is in working condition should you ever need to use one. If you have extinguishers at your facility, then you are required to:

- Inspect portable fire extinguishers each month.
- Portable fire extinguishers must be given an annual maintenance check. We must record the annual maintenance date and retain the record of inspection for one year after the entry or for life of the shell, whichever is shorter.

Other Helpful Tips for Workplace Fire Safety

- Each workplace must have at least two means of escape remote from each other to be used in a fire emergency. Know where the escape routes are in your facility.
- Fire doors must not be blocked or lo cked to prevent emergency use when employees are in the building.
- Exit routes from the building must be clear and free of obstructions with properly marked signs designating exits.
- All facilities must have an emergency ev acuation alarm system, know yours and always evacuate when you hear it.
- All FCC Environmental fac ilities are required to have a current Fire Prevention and Emergency Action Plan, be familiar with yours.



What's wrong with these pictures?



Fire Extinguisher Quiz

Name	Date

What are the four elements necessary to have a fire?

a. ______ b. ______ c. ______ d. _____

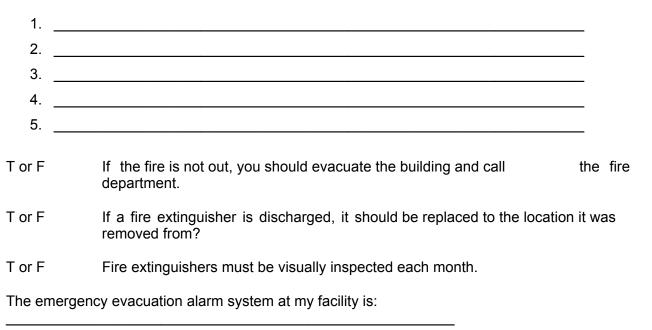
What types of fires are fought by FCC Environmental employees?

- a. Chemical
- b. Incipient Stage (wastebasket size)
- c. Building (large engulfing fires)

List the classification of fires:

1.	
2.	
3.	
4.	

List the steps to be taken to fight an incipient stage fire?





Fire Extinguisher Quiz Key

Name _____

What are the four elements necessary to have a fire?

- a. fuel
- b. heat
- c. oxygen
- d. chemical chain reaction

What types of fires are fought by FCC Environmental employees?

- a. Chemical
- b. Incipient Stage (wastebasket size)
- c. Building (large engulfing fires)

List the classification of fires:

- 1. Class A ordinary combustibles wood, paper, cloth
- 2. Class B liquids or gases
- 3. Class C energized electrical equipment
- 4. Class D combustible metals magnesium, sodium, lithium

List the steps to be taken to fight an incipient stage fire?

- 1. Approach the fire from upwind if applicable
- 2. Pull the pin that locks the handle in place
- 3. Test the fire extinguisher before getting close
- 4. Aim at the base of the fire, spray with a sweeping motion to cover entire fire
- 5. Back away from the fire just before the extinguisher is exhausted
- **T** or F If the fire is not out, you should evacuate the building and call the fire department.
- T or **F** If a fire extinguisher is discharged, it should be replaced to the location it was removed from.
- **T** or F Fire extinguishers must be visually inspected each month.

The emergency evacuation alarm system at my facility is:

Each facility must supply the correct answer



EXHIBIT V

FIRE PREVENTION AND EMERGENCY ACTION PLAN ANNUAL CERTIFICATION AND REVISION TABLE

Section	Revision/Annual Certification	Date
10	Plan revised and certified	5/31/13

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 7 UNIT MANAGEMENT PLAN

USED OIL

Used oil and mixtures containing used oil are only stored in above ground steel tanks and containers. All used oil storage and process tanks, containers, and process vessels are maintained in good condition with no severe rust, apparent structural damage or deterioration and are not visibly leaking.

Container and storage tanks that store used oil are labeled "Used Oil". Tanks that store used oil, or that may contain mixtures containing used oil, are listed in a table included at the end of this attachment. The table shows the storage tank volumes, material stored, and installation dates. (Please note tanks T-83 and T-150 have been properly closed/removed according to 62-761 F.A.C.; please see letter included at the end of this attachment).

All used oil containers are stored with adequate aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of the facility operation in an emergency. The block walls and floors have been epoxy painted so that they are sufficiently impervious to used oil, thus preventing any used oil released into the containment system from migrating outside its boundary to the soil, groundwater, or surface water. Oily waste drums are stored in or outside the garage area. This area is underlain with epoxy-coated concrete and meets the requirements for secondary containment. If any container holding waste is not in good condition (e.g., if severe rusting or structural defects are apparent) or if it begins to leak, FCC personnel will transfer the waste from this container to another container that is in good condition or overpack to prevent release. At least daily, FCC personnel visually inspect areas where containers are stored, looking for leaking containers and for deterioration of containers. (Any facility generated hazardous waste containers are placed in accordance with the 50-foot setback rule and with adequate aisle space.)

All used oil storage tanks met the conditions for existing aboveground tanks in 40 CFR 279.54(d) and 62-762 F.A.C. The secondary containment for these tanks includes retaining walls of concrete blocks and reinforced concrete. The entire area inside the retaining walls is underlain with concrete that is free of cracks and sufficiently impervious to prevent any used oil released into the containment system from migrating



to the soil, groundwater, or surface water. The containment areas have also been sealed with epoxy.

The facility contains three batteries (South, West and Refinery) and one "tank within a tank" (T-630). The storage tanks and piping are constructed of steel, and all of FCC's aboveground storage tanks are located within a containment area. The secondary containment systems have sufficient capacity, greater than 110 percent of the volume of the largest container. The containment system capacity for South Tank Battery is approximately 60,794 gallons, the West Tank Battery is approximately 116,692 gallons, Refinery is approximately 50,310 gallons, and Tank T-630 is approximately 697,837 gallons. The volume calculations are presented in the attached Spill Prevention, Control and Countermeasure (SPCC) Plan. Precipitation that enters the tank storage area and the secondary containment area is pumped into the on-site water storage tanks for treatment. A description of the drainage facilities at the Plant City facility is presented as Section 7 of the SPCC Plan.

All aboveground used oil process and storage tanks are properly labeled with the words "Used Oil." All tanks at FCC are steel aboveground storage tanks equipped with overfill protection. All oil piping is aboveground, so there is no contact with the soil. Any new aboveground storage tanks constructed of steel will meet or exceed the requirements found in UL No. 142, API Standard No. 620, API Standards No. 650, API Standard No. 12B, API Standard No. 12D, or API Standard No. 12F (or as required by 62-762 F.A.C.).

FCC inspects the aboveground tanks and piping for leaks as part of a release detection monitoring program. At least once a month, FCC personnel inspect the exterior of each tank and the secondary containment area for wetting, discoloration, blistering, corrosion, cracks, or other signs of structural damage or leakage.

In the event that any component of FCC's storage tank system is discovered to have discharged or contributed to the discharge of a pollutant, FCC personnel will isolate that component from the system, if possible, and not utilize that component until it is correctly repaired or replaced. If the storage tank system or any component of the system cannot be operated in compliance with Chapter 62-762 FAC, the storage tank system will not be operated until the component has been repaired or replaced. If a tank has discharged or contributed to the discharge of a pollutant, that tank will be taken out of service until the tank is repaired or replaced. All repairs to storage tanks will be made in a manner preventing any discharge from the storage tank system. All repairs to damaged or defective storage tank system. All pipe sections and fittings from which a pollutant has been discharged or which is otherwise damaged or defective will be repaired in accordance with the manufacturer's specifications or in accordance with Rule 62-762 FAC.



The secondary containment system will be repaired as necessary to maintain product tightness and containment volume of the systems, including, but not limited to, sealing cracks in concrete, repairing punctures, and maintaining containment walls. FCC records repairs to the storage tank system, excluding routine maintenance.

USED OIL FILTERS

Used Oil Filters are managed in DOT-approved containers and kept properly closed to protect them from inclement weather. The drums are stored in or near the southeast garage area. The final crushed or "cubed" filters are stored and transported in 4,500-to 5,000-pound bins.

INDUSTRIAL WATERS

The same inspection program and management standards for containers and tanks as described in the *Used Oil* section of this Attachment are applicable for the industrial water manifested to the facility.

PETROLEUM CONTACT WATERS

The same inspection program and management standards for containers and tanks as described in the *Used Oil* section of this Attachment are applicable for petroleum contact waters manifest to the facility.

OILY WASTE

The same inspection program and management standards for containers and tanks as described in the *Used Oil* section of this Attachment are applicable for oily waste manifest to and from the facility.



Table 1

Summary of Aboveground Storage Tanks FCC Environmental, LLC – Plant City Facility Plant City, Florida

Tank ID Number	Volume (Gallons)	Material Stored	Alternate Material Stored*	Date Installed
South Tank Farm				
1	14,700	Residual Oils, 5	Antifreeze	5/1980
2	14,700	Used Oil	Residual Oils, 5	5/1980
3	15,000	Used Oil	Residual Oils, 5	5/1980
4	15,000	Used Oil	Residual Oils, 5	5/1980
5	15,000	Used Oil	Residual Oils, 5	5/1980
6	18,800	Used Oil	Residual Oils, 5	5/1980
7	14,100	Used Oil	Residual Oils, 5	5/1980
8	14,100	Used Oil	Residual Oils, 5	5/1980
9	14,700	Used Oil	Residual Oils, 5	5/1980
10	14,700	Used Oil	Residual Oils, 5	5/1980
11	18,800	Used Oil	Residual Oils, 5	5/1980
12	24,000	Used Oil	Residual Oils, 5	5/1980
20V	20,700	Antifreeze	Used Oil	5/1980
24K	24,000	Used Oil	Residual Oils, 5	5/1980
West Tank Farm				
C1	30,000	Used Oil	Residual Oils, 5	6/2005
C2	30,000	Used Oil	Residual Oils, 5	6/2005
C3	30,000	Used Oil	Residual Oils, 5	6/2005
552	500,000	Number 5 Oil		7/1989
20KV	20,000	Used Oil	Residual Oils, 5	7/1989
30KV	30,000	Used Oil	Residual Oils, 5	5/1989
10K	10,000	Truck Diesel	Residual Oils, 5	7/1989
D5K	5,000	Oily Water	Residual Oils, 5	1/1999
10V	10,000	Rainwater (non- regulated)		7/1989
82V	8,200	Rainwater (non- regulated)		7/1989
Refinery Area				
SK-W	44,650	Oily Water (non- regulated, wastewater treatment/processing)		7/1987
SK-E	44,650	Oily Water (non- regulated, wastewater treatment/processing)		9/1987
Tank T-630 "Tank within a Tank"				
T-630	630,000	Used Oil	Residual Oils, 5	9/1999

*Tank may be cleaned and used to alternate materials as needed. Tank labeling is changed when materials stored are changed.



FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 8 CLOSURE PLAN

The FCC Plant City facility located at 105 South Alexander Street is designed, constructed, and operated to minimize any threat to the environment. The closure plan will be updated whenever significant operational changes occur or design changes are made. The closure plan will be maintained with records required under Rules 62-701 and 62-710, Florida Administrative Codes (FAC). A Solid Waste Closure Cost Estimate, for which financial assurance is required, is presented for those aspects of the facility engaged in the handling of solid wastes. Solid waste operations are limited to the container storage areas.

The Closure Plan is based upon a scheduled and orderly shutdown of the facility. FCC will submit an updated and detailed closure plan to the FDEP at least 60 days prior to the scheduled date of closing the facility. At this time, there is no scheduled closure date for the facility. The intent is to operate the facility for the indefinite future. Within 30 days after closing the facility, FCC will submit a certification of closure completion to the FDEP, which demonstrates that the facility was closed in substantial compliance with the detailed closure plan.

CLOSURE PERFORMANCE STANDARD

Should closure become necessary, FCC will comply with the requirements of 40 CFR, Part 279.54(h) and Chapter 62-710, FAC. The intent is to decommission the facility to an environmentally safe and secure state such that:

- There will be no need for further facility maintenance;
- Used oil will not contaminate surface or groundwater;
- All tanks, piping, secondary containment, and ancillary equipment will be emptied, cleaned, and decontaminated, and all storage materials removed and managed; and
- All aboveground storage and process tanks will be closed pursuant to Rule 62-762.801(3) and (4).

The demolition of the facilities is not a part of the basic closure decommissioning process. If demolition becomes necessary to achieve the Closure Performance Standard, such demolition would be considered a contingency item. Demolition activities after



achieving closure certification are a business item not within the scope of this Closure Plan.

VERIFICATION OF CLOSURE PERFORMANCE STANDARD

The Final Closure of the FCC Plant City facility will require characterization of soil and groundwater quality conditions. The relevant Clean-up Target Levels for soil and groundwater are contained in FAC Rule 62-777.170. Petroleum Product Contaminants of Concern are defined in Rule 62-770. Sampling and analytical protocols will be in accordance with U.S. EPA SW-846 Methods. In general, disposal analyses will be required for Florida pre-burn constituents. Metals will be analyzed by Method 6010c or Graphite Furnace Method (7470A for liquids, 7471B for solids) for mercury; volatile and semi-volatile organics will be analyzed by Methods 8260/8270. The laboratory will use other U.S. EPA-approved methods appropriate to the sample matrix and analytical requirements.

The Florida regulations do not contain any specific guidelines for determining whether equipment, tanks, and containment have been successfully decontaminated. A visual inspection of all tanks will be performed to insure that no solids, sludges or residual oils are present.

CLOSURE OF TANK STORAGE

Upon closure, all tanks will be emptied. Any inventory that meets or can be processed to meet marketing specifications for used oil will be processed and marketed as such. All material will be characterized in accordance with 40 CFR 279.54(h) and Part 261. Characterization will be based on process knowledge and/or chemical analysis for TCLP constituents. Upon closure of the tank system in accordance with 40 CFR Part 279, FCC will remove or decontaminate used oil residues in tanks, contaminated secondary containment system components, contaminated soils, structures, and equipment. FCC will manage these materials as hazardous waste, unless the materials are not hazardous waste as determined by chemical analysis. The wastes will be properly contained and shipped to a permitted disposal facility.

Liquid wastes will be removed via the tank piping system and handled as an oily waste. Material that cannot be removed via the piping system will be accessed via the tank manways or hatches. Confined space entry procedures will be followed. Residual liquid and sludge material at the bottom of each tank will be removed via pumping and handled as an oily sludge. Solid material at the bottom of the tank that cannot be removed as sludge will be removed and handled as an oily solid. FCC shall make a proper waste determination to include TCLP testing for 8260 and metals.

As part of an orderly shutdown procedure, oily water will be processed through the facility treatment system. Oily sludges and solids will be placed in appropriate containers and shipped off site for proper disposal.



CLOSURE OF TANK FARM CONTAINMENT

Once tanks within the tank farm have been successfully decontaminated, the containment area will be addressed. Manual scraping will be performed to remove any hardened material. The containment area will then be pressure-washed until the visual inspection performance standard is achieved.

CLOSURE OF CONTAINER STORAGE AREA

Maximum container storage:

non-hazardous drums:	400
hazardous drums:	20
30-yard roll-off boxes:	1
20-yard roll-off boxes	3

Upon closure, containers in storage will be tested as necessary to confirm hazardous waste classification status, removed, and shipped to a proper disposal facility. Once all containers are removed, decontamination of the container storage will take place. Manual scraping will be performed to remove any hardened material. Mechanical scrabbling will be used if necessary. The containment area will then be pressure-washed until the visual inspection performance standard is achieved. All materials used in the decontamination will be either processed through the facility waste treatment system, or contained and shipped off site to the proper disposal facility.

DECONTAMINATION OF WASTE TREATMENT SYSTEM

Once wastewater generated by the decontamination of the tanks and containment areas has been processed, the waste treatment system will be decontaminated. Tanks will be decontaminated in a manner similar to the storage tanks. Manual scraping will be performed to remove any hardened material. The waste treatment equipment and associated containment areas will then be pressure-washed until the visual inspection performance standard is achieved.

VISUALLY CONTAMINATED SOILS

The facility is designed to prevent the contamination of surrounding soils. At the time of the closure, any surface soils exhibiting obvious contamination will be excavated and tested prior to appropriate disposal.

CLOSURE ASSESSMENT

Rule 62-762.801(4) requires the completion of a Closure Assessment. The closure assessment may be implemented either in parallel with or at the conclusion of the general decontamination of the facility. Waste material generated through investigation will be managed to the maximum possible extent through the facility waste management and



treatment systems. Otherwise, investigative wastes will be separately managed and tested if has impacted soils and groundwater. As such, the initial Closure Assessment will not provide a complete horizontal and vertical characterization of any discovered contamination. The comprehensive development of a Site Conceptual Model and Site Characterization would be addressed as a contingent item.

A specific investigation plan will be developed at the time of closure. A Site-Specific Health and Safety Plan will be developed in accordance with OSHA 1910.120. The Florida One-Call utility notification procedure will be followed. Requirements for the use of Florida registered Professional Engineers, Geologists, and Certified Laboratories will be addressed.

Soil sampling will be accomplished by either grab samples from Geoprobe liners, hand augers or samples from auger split-spoon sampling. Soils samples will be selected for testing based upon visual and field meter evidence of contamination status. Samples will be obtained from the 0- to 2-foot Direct Contact interaction zone. If obvious contamination extends, samples will be obtained.

Groundwater status will be determined by installing temporary monitoring wells in the Geoprobe or auger test borings. Test borings will not be completed as permanent monitoring wells unless site-specific conditions observed during the investigation warrant.

FCC anticipates 30-40 shallow borings will be required to perform the site closure assessment. Of course if contamination is determined to be present in soil and or ground water additional sampling and assessment would be required. The 30-40 borings is based on 10 boring around the three tank farm, and 10 borings throughout other areas of the site of potential concern. The soil borings are proposed to be 2 feet below ground surface, unless contamination is observed and a deeper boring is necessary. Samples showing visual indications of contamination shall be sampled and tested for total petroleum hydrocarbons (TPH), 8 RCRA metals and organic volatiles by EPA Method 8260. Groundwater status will be determined by installing temporary monitoring wells. Test borings will not be completed as permanent monitoring wells unless site-specific conditions observed during the investigation warrant.

Six temporary groundwater wells are contemplated as part of the closure assessment. Additional temporary wells could be needed based on soil sampling results. These temporary monitoring wells shall be sampled for TPH, 8 RCRA Metals and volatiles by EPA Method 8260.

If soil and/or groundwater are determined to be contaminated by the reconnaissance Closure Assessment, it will be necessary to implement a more comprehensive closure plan. Any remaining soil or groundwater contamination will be assessed and remediated in accordance with the requirements of Contaminated Site Cleanup Criteria found at F.A.C. Rules 62-770, 62-777, and 62-780, as appropriate. The closure plan will be modified to incorporate the requirements of the Rules 62-770, 62-777, and 62-780, as appropriate, if necessary, including applicable public notice requirements.



CLOSURE COST ESTIMATE

The Closure Plan is based on an orderly planned shutdown of the facility by FCC. FDEP requires, however, that the Closure Cost Estimate be based on a worst-case scenario. That scenario is generally considered to be an unplanned situation in which the State will be responsible for implementing site closure using contractors hired by the State. It assumes that all tanks are full of material and that all contents of all tanks must be characterized to determine hazardous waste classification status. It also assumes that the on-site treatment processing equipment is not operational and that all materials must be transported off site for processing and appropriate disposal. The demolition of facilities is not considered to be a requirement for decontamination.

The total closure Decontamination Cost Estimate, as of 2013, for the FCC Plant City facility is **\$964,991.**





FLORIDA DEPARTMENT OF

ENVIRONMENTAL PROTECTION

BOB MARTINEZ CENTER 2600 BLAIRSTONE ROAD MS 4565 TALLAHASSEE, FLORIDA 32399-2400 RICK SCOTT GOVERNOR

HERSCHEL T. VINYARD JR. SECRETARY

May 7, 2013

Via e-mail: scott.crandall@fccenvironmental.com

Scott Crandall, PE EH&S Manger FCC Environmental, LLC 105 S. Alexander Street Plant City, FL 33563

Re:FLD 984 262 410FCC Environmental, LLC (Pompano Beach)FLO 000 346 304FCC Environmental, LLC (Ft. Pierce)FLD 065 680 613FCC Environmental, LLC (Plant City)FLR 000 069 088FCC Environmental, LLC (Orlando)FLR 000 031 393FCC Environmental, LLC (Jacksonville)WACS 42485FCC Environmental, LLC (Plant City MRF)

Dear Mr. Crandall:

A review of the documentation submitted to demonstrate financial assurance for the above referenced facilities finds it is in order. Zurich American Insurance Company/Fidelity and Deposit Company of Maryland performance bond number PRF09110927, effective April 12, 2013, in the amount of \$2,629,174, adequately covers the approved closing cost estimates submitted in February 2013 for the above referenced facilities. Therefore, the above referenced facilities are in compliance with the financial assurance requirements of 40 CFR Part 264, Subpart H, as adopted by reference in Rule 62-701.630, Florida Administrative Code, at this time.

Please contact me at (850) 245-8740 if you have any questions.

Sincerely,

S7 Elchedge

Susan Eldredge Environmental Specialist Solid Waste Section

cc: Financial Assurance Coordinator, DEP/Tallahassee Susan Pelz, DEP/Orlando Bheem Kothur, DEP/Used Oil Program

FCC Environmental, LLC POMPANO BEACH, FLORIDA FACILITY TABLE 2 CLOSURE DECONTAMINATION COST ESTIMATE

Unit Transportation and Disposal Costs			NOTE:			
Oily water	\$0.16 \$/	/Gal	ALL COSTS	REPRESENT	COMMERCIAL	
Oily Sludge Liquid	\$1.44 \$/	/Gal	THIRD PA	RTY COSTS F	OR SITE AT	
Oily Solids (Non-Haz)		/Ton	F	FULL CAPACI	ТҮ	
Oily liquids (Haz)	\$1.25 \$/	'Gal				
Oily Solids (Haz)		'Ton				
Virgin vehicle fuels	\$0.00 \$/	'Gal (may assu	me zero cost v	with salvage va		
					Lump Sum	
Site Safety and Operations Plan	10000				\$10,000	
TANKS - DISPOSAL OF INVENTOR				* / O		
Total Number of Tanks	27			\$/Sample	¢20.400	
Tank Content Characterization TCLP	+PCB			\$1,200	\$32,400	
Maximum Inventory				\$/Gal	Total	
Tank Liquids	%	vol. Pumpable	Pump volume	•		
Total Number of Tanks	27			as oily water		
Total tank volume, gal	1623700	90	1461330	\$0.16	\$233,813	
vehicle diesel, gal	10,000	95		\$0.00		
	┕───┴─┛─			·	· · ·	
				\$/Gal	Total	
Liquid/sludge by Vac Truck	%	vol.Vac Truck	Vac volume	•	Disposal Cost	
Total Number of Tanks	27			as oily sludge	(<u></u>	
Total tank volume, gal	1623700	3		\$1.44	. ,	
vehicle diesel, gal	10000	5	500	\$1.44	\$720	
Note: Confined	Space Procedure	os for Tank En	W DDE Loval	C if Poquirod	,	
Note. Commed	Space Procedure		Tons	\$/Ton	Total	
Solids Removal	%	vol. Solids		•	Disposal Cost	
Total Number of Tanks	27			as oily solids	-	
Total tank volume, gal	1633700	7	560.3591	\$42.00	\$23,535	
vehicle diesel, gal	10000	0	0	\$42.00		
-						
Initial Tank Cleaning for 24 Hours v			Gal	\$/Gal	Total	
Pressure Cleaning (as % tank volu		vol. Vac Truck	Vac Volume	•	Disposal Cost	
Total Number of Tanks	27			as oily sludge		
Total tank volume, gal	1623700	2	32474	\$1.44		
vehicle diesel, gal	10000	0	0	\$1.44	\$0	
			Gal	\$/Gal	Total	
High Pres. Clean (as % tank volum	e) %	vol. Vac Truck		-	Disposal Cost	
Total Number of Tanks	27			as oily water	Diopodal Cool	
Total tank volume, gal	1623700	3	48711	\$0.16	\$7,794	
vehicle diesel, gal	10000	2		\$0.16		
(includes associated piping, appurtan	I			÷ • • •	<u></u>	
	· ·		Gal	\$/Gal	Total	
Containment Pressure Clean (as %	tank volume) %	vol. Vac Truck	Vac Volume	•	Disposal Cost	
Total Number of Tanks	27			as oily water	[
Total tank volume, gal	1623700	2	32474	\$0.16		
vehicle diesel, gal	10000	0	0	\$0.16	\$0	

			Gal or Tons	Gal or Tons	
Container Storage Areas	Number Units		total volume	\$/Unit T&D)	
Non-Haz Drums, solids	200		52		. ,
Non-Haz Drums, liquids	200		11000		. ,
Haz Drums, Liquids	10		550		\$688
Haz Drums, solids	10		2.6	\$150.00	\$390
Roll-off boxes (@20cy/box)	4		104	\$42.00	\$4,368
Surficial stained soil boxes		General cleanup	26	\$42.00	\$1,092
Container Characterization - 10%	of Drums + rollo	ff boxes		TCLP cost	
Number analytical samples	s 35			\$1,200.00	\$42,000
Inventory & Decontamination Mar	power Costs				
,	Florida 2001	Contractor			
	Prevailing	Billing Rate	Total Cost		
Classification	Wage Rate	Multiplier	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 D	Disposal of Mater	rial Inventorv a	ind	
Labor Crew Size 5	Decontamination	•	•		
	_1				
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 Decontamina	tion Activities	Lump Cost	\$10,000	ן ה	\$10,000
Cullinary Report of Decontaining	tion Addivides	Lump 000	φ10,000		\$10,000
	1	Number days	Cost		
Equipment Dentel Costo, Supplier		-		Dordov	¢24 500
Equipment Rental Costs, Supplies		43	\$500	Per day	\$21,500
Cleanup Verification Samples (#ta	anks + 30%)	36	\$250	Per sample	\$9,000
Soil and Groundwater Site Assess		Lump Costs	- ·	II Reconnaissa	,
Drilling (Geoprob	<i>,</i>	\$5,000		estigative materi	al disposal)
Analytical (20 samp	les)	\$9,000	(PPE at Leve	ID)	
Geoscience Labor	l	\$12,000		ſ	
	Total	\$26,000			\$26,000
	_			_	_
		Т	otal Decommi	ssioning Cost	\$662,107
		C	ontingency %	15	\$99,316
		Ac	Iministrative %	10	\$66,211
	TOTAL CLOSU	JRE DECONTA			

			· · · · · · · · · · · · · · · · · · ·		φ00,010 Φ00.014
Administrative %				10	\$66,211
ΤΟΤΑ	L CLOSURE D	ECONTAMINATIO	ON COST I	ESTIMATE	\$827,634
2003 Cost Estimate x 1.015 = 2004 Cost Es	timate	\$827,634	1.015	\$840,048	
2004 Cost Estimate x 1.020 = 2005 Cost Es	timate	\$840,048	1.02	\$856,849	
2005 Cost Estimate x 1.030 = 2006 Cost Es	timate	\$856,849	1.03	\$882,555	
2006 Cost Estimate x 1.030 = 2007 Cost Es	timate	\$882,555	1.03	\$909,032	
2007 Cost Estimate x 1.030 = 2008 Cost Es	timate	\$909,032	1.03	\$936,302	
2008 Cost Estimate x 1.030 = 2009 Cost Es	timate	\$936,303	1.025	\$956,261	

2009 Cost Estimate x 1.030 = 2010 Cost Estimate	\$956,261	1.02	\$976,220
2010 Cost Estimate x 1.030 = 2011 Cost Estimate	\$976,220	1.01	\$996,179
2011 Cost Estimate x 1.030 = 2012 Cost Estimate	\$996,179	1.01	\$1,016,138
2013 Cost Estimate x 1.030 = 2012 Cost Estimate	\$1,016,138	1.02	\$1,036,098

201' TOTAL CLOSURE DECONTAMINATION COST ESTIMATE \$1,036,098

NOTE: This cost estimate includes the costs for used oil and solid waste.

In the most recent year: Used oil (964,991) + Solid Waste (71,107) = Total (1,036,098) 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.

	SECT	ON Print Form
	FEB 1 9	2013
		DEP Form #62-710.901(7) Form Title <u>Used Oil Facility Financial</u> Assurance Closing Cost Estimate Form Effective Date June 9, 2005
Processing Faci	lity Closing Cost Es	timate Form
Date o	f DEP Approval: Feb 2	21,2013
ude: 27.9869 Longitude:	-82.1236 EPA ID Number: 00	65 680 613
LC		
reet, Plant City, FL 33563		
sa	Phone Number: 813-754-1504 Fax Number: 813-754-3789	
tal.com		
CE DOCUMENT (Check T	ype)	
Performance Bond*	Guaranty Bond*	*Indicate mechanisms that
_ Financial Test	Trust Fund Agreement	require use of a Standby Trust Fund Agreement
losing in current dollars. E	stimates are due annually betwee	
ent		
facility operation which wo st recent Implicit Price Defi ey of Current Business. The previous year. The inflation	auld necessitate modification to the lator for Gross National Product put inflation factor is the result of divi- tion factor may also be obtained from	e closure plan. The ublished by the U.S. ding the latest published n the Solid Waste
	01/01/2013	
artment approved closing c	cost estimate dated:	
	cost estimate dated:	
1.020 Current Year	= <u>964,991</u> Inflation Adjusted	-
1.020	= <u>964,991</u>	stimate
1.020 Current Year	= <u>964,991</u> Inflation Adjusted	stimate
1.020 Current Year	= 964,991 Inflation Adjusted Annual Closing Cost E	
1.020 Current Year Inflation Factor S Manager form, please contact the U em.Kothur@dep.state.fl.us	<pre>cost estimate dated:</pre>	vironmental.com
1.020 Current Year Inflation Factor S Manager form, please contact the U em.Kothur@dep.state.fl.us timate to: Please	<pre>cost estimate dated:</pre>	vironmental.com the address below, by phone t estimate to:
1.020 Current Year Inflation Factor S Manager form, please contact the U em.Kothur@dep.state.fl.us timate to: Please Solid.V	<pre>cost estimate dated:</pre>	vironmental.com the address below, by phone at estimate to:
1.020 Current Year Inflation Factor S Manager form, please contact the L em.Kothur@dep.state.fl.us timate to: Please Solid.V Solid V MS 45	<pre>cost estimate dated:</pre>	vironmental.com the address below, by phone at estimate to:
1.020 Current Year Inflation Factor S Manager form, please contact the L em.Kothur@dep.state.fl.us timate to: Please Solid.V Solid V MS 45 FDEP	<pre>cost estimate dated:</pre>	vironmental.com the address below, by phone t estimate to:
	Processing Faci	reet, Plant City, FL 33563



Florida Department of Environmental Protection

Southwest District 13051 North Telecom Parkway Temple Terrace, Florida 33637-0926 Telephone: 813-632-7600 Rick Scott Governor

Herschel T. Vinyard Jr. Secretary

Transmitted via email only to Vinnie.glorioso@fccenvironmental.com

Mr. Vinnie Glorioso, Env. Health and Safety Manager FCC Environmental, LLC 105 South Alexander Street Plant City, FL 33563 May 3, 2013

Re: FCC Environmental, LLC Waste Processing Facility Financial Assurance Cost Estimates Permit No. 137964-006-SO/30, Hillsborough County WACS #: 42485

Dear Mr.Glorioso:

This letter is to acknowledge receipt of the inflation-adjusted cost estimates dated January 10, 2012 (received January 12, 2012), for closing the Hydrocarbon Recovery Services, Inc. Waste Processing Facility. The cost estimates received January 12, 2012 (total for closure \$71,107.26), are **APPROVED for 2013.** The approved estimates are for the maximum quantities of materials and closure activities provided in the Estimated Solid Waste Management Area Closure Costs – 2009 Dollars table in Attachment 5. The next annual update (revised or inflation-adjusted estimates) is due no later than March 1, 2014.

A copy of these estimates will be forwarded to Financial Coordinator, Solid Waste Section, FDEP, 2600 Blair Stone Road, MS 4565, Tallahassee, Florida 32399-2400. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 632-7600 ext. 385.

Sincerely,

Den

Nancy D, Gaskin Solid Waste Section Southwest District

ndg

Cc: Ron Cope, HCEPC (e-mail) Solid Waste Financial Coordinator, FDEP Tallahassee, <u>Solid.Waste.Financial.Coordinator@dep.state.fl.us</u> Susan Pelz, FDEP Tampa (e-mail)

FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA ATTACHMENT 9 EMPLOYEE TRAINING

A schedule of FCC's training is included as part of this attachment. This spreadsheet lists every employee, along with the dates they received various types of training. The type of training an individual receives is directly related to their defined job responsibilities. The various types of training available to Plant City personnel are Used Oil Transportation, Personal Protective Equipment, and HAZCOM training.



Plant City 2012 Training Matrix

Name Jeff Andrews Eddie Dennett	Position Maintenance Plant Operations	Used Oil Florid 7/13/20			
Chris Bowers	Oil Collections	7/13/20	12 1/25/2012	2/22/2012	
Jason Bowers	Filter Plant	7/13/20			
David Branch	Plant Operator		1/25/2012	-	
William Bridges	Plant Operator	7/13/20			
Eric Cellabos	Sales		1/25/2012		
Larry Davis	Oil Exchange		1/25/2012		
Jesse Giddens	Plant Operator		1/25/2012		
Mike Bisson	Transport Mgr		1/25/2012		
Joanne Wright	Administration	= / / 0 / 0 0	1/25/2012		
James Marterson	Box Truck	7/13/20			
Beth Mobley	Administration		1/25/2012		
Joshua Morales	Field Services		1/25/2012		
Steven Nash	Field Services	7/12/20	1/25/2012		
James Phillips Alton Goldon	Oil Collections Box Truck	7/13/20 7/13/20			
Larry Rypkema	Oil Exchange	1/13/20	1/25/2012		
Ana Saldana	Lab Tech		1/25/2012		
Eugene Sciulli	Sales		1/25/2012		
Denise Smith	Administration		1/25/2012		
Alvin Mathis	Field Services		1/25/2012		
Alan Stinson	Field Services		1/25/2012		
Terry Sumner	Oil Exchange	7/13/20			
Jesus Moran	Box Truck	7/13/20			
Nick Tortorici	Oil Collections	7/13/20			
Lucretia Trim	Administration		1/25/2012		
Jesus Valencia	Plant Operator	7/13/20	12 1/25/2012		
Michael Chason	Box Truck	7/13/20	12 1/25/2012	2/22/2012	
Angelo Pousa	Area Manager				
Tommy Skirvin	Field Services		1/25/2012	2/22/2012	Employee transfer
Kimberly Cruz	Administration		1/25/2012	2/22/2012	Employee resigned
Elaine Felts	Temporary		1/25/2012	2/22/2012	Temp released
John Sumner	Temporary		1/25/2012	2/22/2012	Temp released
Deborah Dowd	Sales				Hired later in 2012
Wally Andrus	Utility Driver				Hired later in 2012
Tammi Cullifer	Temporary		1/25/2012		Temp released
Jeremy Copeland	Oil Collections	7/13/20			Employee released
James Kennedy	Oil Exchange	7/13/20			Employee resigned
Richard LeFan	Oil Collections	7/13/20			Employee released
Heather Tomlinsor	1 I emporary		1/25/2012	2/22/2012	Temp released



Safety Training Report

Location: PLANT City Subjects: HAZ- Com Program

Instructor: ANGELO JOUSA

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Date: 1-25-2012 Time: 7:0°4,4, 8:0°AM, 4:00 PM

Hours: / FAct

SAFETY TOPICS DISCUSSED SIGNATURE PRINT NAME HAZ-COM PROGRAM Stinson NOBE ALONE POCILY COMMINE FREAD DEC onne ACCIDENT TITAT HAPPIND IN OUR POMPINO BEACH KRIDKES SAFETY SUGGESTIONS dens ortorici MORAN CJ esus Neur 7. Jason Bowers edo Tarves morens ADDITIONAL COMMENTS nne YLMAPR no la c 18. 19. Falk 20. Tomlinsor 21. 22. 23. ommy SKILVIN



SIGNATURE

Safety Meeting Report □

Location: PLANT CITY

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Subjects: HAZ-COM PROLILAM

PRINT NAME

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Seremy Copeland

AVE BRINCH

12. Jostua Monniles

AMES /SEANED/

2. JESUS VALENCIA

3. LAPALY BDAMIS

Instructor: ANGELO POUSA

Safety Training Report

Date: 1-25-2012

Time: 7. Mu - 8: Am - 4- WPM

Hours: | EACH

SAFETY TOPICS DISCUSSED

HAZ-COM PROGRAM NOBILE PHOLE POLINY COMMUND FROMFIC ACCIDENT THAT HAPPAND IN POMAMOD

SAFETY SUGGESTIONS

ADDITIONAL COMMENTS



Safety Training Report □

Location: Plant City

Subjects: 142-can Procram

Time: 4:™PM

Date: 1-25-2012

Instructor: Auceno Pour

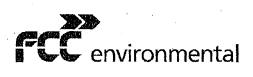
PRINT NAME	SIGNATURE
1. Eugene G. Sciulli	E G Sciulli III TS2
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Hours: /

SAFETY TOPICS DISCUSSED

SAFETY SUGGESTIONS

ADDITIONAL COMMENTS



Safety Meeting Report	Safety Training Report 🗖
Location: PLANT City	Date: 1-25-2012
Subjects: 1+AZ- COM	Date: 1-25-2012 Time: 4-00 PM
Instructor: ANLELO POUSA	Hours: {
PRINT NAME SIGNA	ATORE SAFETY TOPICS DISCUSSED
1. ERIC CERALOS	l/
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Safety Training Report 🗖

Date: 1-20-2012

Time: 10200 AM/300PM

Hours: 1-5

SAFETY TOPICS DISCUSSED SIGNATURĖ PRINT NAME BRIDHES 1. Eddie Denneti 1crres 3. Alfred IPEO 3 SAFETY SUGGESTIONS Pawers 71108 5. 6. Brik 7~ 8. V BRAN ESUSVALENUA 9.0 10. Jesse Godens 11. ADDITIONAL COMMENTS 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.

Location: PLANT CITY FL Subjects: FORILLIFT TRAINING Instructor: ANGELO POUSA



Safety Meeting Report \Box

Safety Training Report

Date: 2-28-2012

Location: PLANT City FL

Subjects: WASTE ACOEPTANCE PLAN/ SPCC TRAINING

Instructor: ANGELO POUSA

Time: 2:00 PM

Hours: 3.5

PRINT NAME	SIGNATURE	SAFETY TOPICS DISCUSSED
1. Bill BRIDGES	BelBudy	
2. JESUS VALEDCIA	J-V	
3. Jesse Giddens	den Jular	
AJEFF Andrews	XOZ	SAFETY SUGGESTIONS
5. Domingo Arelland	190 minget hel	any
6. Jason Baulans	geseel Beell	
7. DALE BRANCH		
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Safety Training Report

Date: 2-22-2012

Time: 7:00 AM + 4:00 AM

Hours:

PRINT NAME SIGNATURE SAFETY TOPICS DISCUSSED VE 1. TANY SUMMONONS NEAR MISS LESUS m su 1.1:0 Z. SFRUICE ORDER SIGNATURE + INFO PRINT SIGN & SCHRONED STOPS * James LAND COURS PPE 3. emi Coprigne SAFETY SUGGESTIONS t_{1} howers Giddens esse 8. BRIDHE 9 Mo 10. 11. ADDITIONAL COMMENTS \checkmark 12 13. 1 14. 15. 1740. a Sm 16 17. TA 18. 19. JESUS VALENCIA DIE BRANCH 20. V Bisson 1 Mike 21. 22. 23. 24.

Location: PLANT City FL. Subjects: PPE

Instructor: ANGELD POUSA



Safety Training Report

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Location: PLANT City FL.

Subjects: PPE

Instructor: ANGELO POUSA

Date: 2 - 23 - 2012Time: 7^{500} PM $+ 4^{500}$ PM

Hours:

PRINT NAME SIGNATURE SAFETY TOPICS DISCUSSED 1. SERVICE ORDER SIGNATURES 1. 2- PAE 2 ern nr telune 3. SEMMEC V 4. **SAFETY SUGGESTIONS** mas 5. Steven Alton Å 6. 7. 8. 9. 10. 11. **ADDITIONAL COMMENTS** 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.



Safety Training Report

Location: PLANT City FL

Date: 3-27-2012

Subjects: Lock OUT THE OUT / FIELD SAMPLING CLOSED QUAL TIME: 7.00 AM

Instructor: ANGELO POUSA

Hours: 1.5

SAFETY TOPICS DISCUSSED LOCK OUT THE OUT PRINT NAME SIGNATURE Goiden m FIELD SIGNALING CLOSED DRIMS Andrews 3. Jesse Giddens Bill BRIDHES SAFETY SUGGESTIONS 5. James Phillips Mile Risson 6. Alon stinson 8. Vruler Houng IMAD LOFAN 10. 11. Lynny &Dang ADDITIONAL COMMENTS 12. Joshra Morden Terry Summer 13. 14. 1000 15. Jahon Bowers 16. 17. Lick Turtursed 18. Steven Nach Sonneg 19 JAMOS 20. oppland 21. Stren WNO 22. 0Mill DO to 23. 24. unds



Safety Training Report □

PLANT CITY FL Location:

Date: 3-27-2012

y: oopn Subjects: Locil out the OUT/FIECO SAMPLING CLOSED DRUMS Time: 7:00 AM + FOR SOME ENPLYEES Hours: 1.5

Instructor: ANGELO BUSA

PRINT NAME	SIGNATURE	SAFETY TOPICS DISCUSSED
1. JoAnne Wright	(77K	LOLK OUT THE OUT
2 Heather Tom In Son		FIELD SHAMPLANG CLOSED DALMS
3 Elaure felts		FOR NON - ADMIN ENPLOYEES
4. Jani Cullifer		SAFETY SUGGESTIONS
5. patie Trim	·	
6 Denise Smith		
7(Ina) Sudara,		
8. JESUS VALENCIA	J-V	
ATTIVE BRANCH	DB	
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Safety Training Report □

Location: PLANT CITY FL Subjects: Lock Out / Tag Out

Instructor: ANGELO POUSA

Date: 3/26/12

Time: 7:00 AM

Hours: 1-5

PRINT NAME	SIGNATURE	SAFETY TOPICS DISCUSSED
Bath Mobley (Beenhoble	4 LOCK OUT THE OUT
2KimberlyChiz =	Kimberlong	t l
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4.		SAFETY SUGGESTIONS
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Safety Meeting Report

Safety Training Report 🗖

Location: PLANT CITY FL

FLERT SAFETY MANUAL Subjects:

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(è)

Instructor: ANTELD POUSA

1. Nick Tortovicu

James Phillips

PRINT NAME

Date: 4-24-2012

Time: 7:00 AM - 4:00 AM

Hours: 1.5

SAFETY TOPICS DISCUSSED

FLEFET SAFFETY MANUAL INTENSECTION SUPPERTY SNIFFAS LOG DEXIL KITS

SAFETY SUGGESTIONS

ADDITIONAL COMMENTS

Steven Dash dre C × MOR 5. 6. Hrelland 7. ominao fan Go 8. 9. Alon Stinson 10. 11.17 Terry W. Jumm 12. HPHEMA ARRY 13. 6 mis 14. suns BRIDHES 15. 16. < esse Juson Bowers 18. 💊 Piotrowski 19 TAMES Konnech 20 Jeremy Copefance 21. Mike Bisson ¢ 22. 23. Tames Marder St 24, and Man en



SIGNATURE

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Safety Meeting Report □

Location: PLANT City FL

Subjects: FLEET SAFETY MAN LAL +

PRINT NAME

Instructor: ANGECO POUSA

24.

Safety Training Report □

Date: 4-24-2012

Time: 7:00 AM + 4.00 pm

Hours: 1.5

<u>SAFETY TOPICS DISCUSSED</u> FLEAT SAMARY INTRISECTION SAMY

SAFETY SUGGESTIONS

ADDITIONAL COMMENTS

Kimbertu Cruz	Kly	FUR
TAMARA J. Cullifor	Jahn.	INT
Beth Mobley C	Buthtel	ky
A. Denise Suidh	Duri Shith	
5. Joanne Wright	- Al-	
6. Elaine Felts	Damy fr	
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Location: PLANT CATY FL

Subjects: FLEET SAFFORY MANUAL +

Instructor:

Safety Training Report 🗖

Date: 4-24-2012

Time: 4:00 PM

Hours: 1.5

PRINT NAME	SIGNATURE	SAFETY TOPICS DISCUSSED
1. DAVE BRINCH	Aburn	FLEGET STAFFORY MANUAL
2. JESUS VALENCIA	J-V	intrasection Stafary
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4.		SAFETY SUGGESTIONS
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Training Record and Certification

Company/Corporation:	FCC E	NUTION	nental		
Address: City_Plan	+ City	_State	FL	Zip_	33563
Employee Name: First_(TERMINA La	ast <u>CoP</u>	recond	_Middle	·
Employee ID Number:	1 850	6			
Position Description:	0:1	Coll	ector	15	

TRAINING REGULATIONS

49 CFR 172.700 Purpose and Scope

49 CFR 172.702 Applicability and Responsibility for Training and Testing

49 CFR 172.704 Training Requirements

49 CFR 172.704 (a) Hazmat employees training shall include:

(1) General awareness/familiarization training

(2) Function Specific training

(3) Safety training

(4) Security awareness training

(5) In-depth security training

49 CFR 172.704 (d) RECORDKEEPING

(a) Most recent training completion date inclusive of the preceding three years of the hazmat employee's training. Training at least once every three years

Previous Date Current Date 5/9/12

(b) A description, copy or the location of the training materials used to meet training requirements.

(c) Name and address of person providing training

Name:

Address:

(d) Certification that the hazmat employee has been trained and tested Test date:

(e) Certification from Instructor:

This is to certify that the above named employee has been trained and tested in accordance with DOT 49 CFR 172.700 thru 172.704: Signature_

This is not a mandatory FEDERAL RAILROAD ADMINISTRATION FORM, but may be used to comply with the training regulations.

Training Record and Certification

5

Company/Corporation: FCC	
Address: City Plant City State FL.	Zip
Employee Name: First Nick Last Tortorici Middl	e Phillip
Employee ID Number: 272-563	
Position Description: Oil Collection Drive	· ·

TRAINING REGULATIONS

49 CFR 172.700 Purpose and Scope

49 CFR 172.702 Applicability and Responsibility for Training and Testing 49 CFR 172.704 Training Requirements

49 CFR 172.704 (a) Hazmat employees training shall include:

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(5) In-depth security training

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(a) Most recent training completion date inclusive of the preceding three years of the hazmat employee's training. Training at least once every three years

Current Date 5-9-12 Previous Date_____

(b) A description, copy or the location of the training materials used to meet training requirements.

(c) Name and address of person providing training

Name:

Address:

(d) Certification that the hazmat employee has been trained and tested

Test date:

(e) Certification from Instructor:

This is to certify that the above named employee has been trained and tested in accordance with DOT 49 CFR 172.700 thru 172.704: Signature_

This is not a mandatory FEDERAL RAILROAD ADMINISTRATION FORM, but may be used to comply with the training regulations.

Training Record and Certification						
Company/Corporation: F.C.C. Environmental						
Address: City Plant CityStateFZZip						
Employee Name: First James Last Phillips Middle M	richael					
Employee ID Number: <u>307643</u>						
Position Description: Oil Collections	- <u></u>					

TRAINING REGULATIONS

49 CFR 172.700 Purpose and Scope

49 CFR 172.702 Applicability and Responsibility for Training and Testing 49 CFR 172.704 Training Requirements

49 CFR 172.704 (a) Hazmat employees training shall include:

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(3) Safety training

(4) Security awareness training

(5) In-depth security training

Previous Date

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(a) Most recent training completion date inclusive of the preceding three years of the hazmat employee's training. Training at least once every three years

Current Date 5-9-124

(b) A description, copy or the location of the training materials used to meet training. requirements.

(c) Name and address of person providing training

Name:

Address:

(d) Certification that the hazmat employee has been trained and tested

Test date:

(e) Certification from Instructor:

This is to certify that the above named employee has been trained and tested in accordance with DOT 49 CFR 172.700 thru 172.704: Signature_

This is not a mandatory FEDERAL RAILROAD ADMINISTRATION FORM, but may be used to comply with the training regulations.

Training Record and Certification

. .

Company/Corporati	on:FCC	<u>.</u>		
Address: City	Plant City Sta	te	Zip33563	3
Employee Name:	First M. Choel Last_	Chason N	Aiddle Edward	8
Employee ID Numb	er: $00/040$			
Position Description	: (/4:1:4-1		·	

TRAINING REGULATIONS

49 CFR 172.700 Purpose and Scope

49 CFR 172.702 Applicability and Responsibility for Training and Testing

49 CFR 172.704 Training Requirements

49 CFR 172.704 (a) Hazmat employees training shall include:

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(2) Function Specific training

(3) Safety training

(4) Security awareness training

(5) In-depth security training

49 CFR 172.704 (d) RECORDKEEPING

(a) Most recent training completion date inclusive of the preceding three years of the hazmat employee's training. Training at least once every three years

Previous Date Current Date 5-9-22

(b) A description, copy or the location of the training materials used to meet training requirements.

(c) Name and address of person providing training

Name:

Address:

(d) Certification that the hazmat employee has been trained and tested

Test date:

(e) Certification from Instructor:

This is to certify that the above named employee has been trained and tested in accordance with DOT 49 CFR 172.700 thru 172.704: Signature

This is not a mandatory FEDERAL RAILROAD ADMINISTRATION FORM, but may be used to comply with the training regulations.

Training Record and Certification

· · · · ·

Company/Corporation:	FCC 1	Envire	onment	al
Address: City Par-	(City	State	FL.	Zip 33563
Employee Name: First_	•			Middle Wayne
Employee ID Number:	$o\alpha$	0692)
Position Description:	Util	ity D	river	
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TRAINING REGULATIONS

49 CFR 172.700 Purpose and Scope

49 CFR 172.702 Applicability and Responsibility for Training and Testing 49 CFR 172.704 Training Requirements

49 CFR 172.704 (a) Hazmat employees training shall include:

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(4) Security awareness training

(5) In-depth security training

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(b) A description, copy or the location of the training materials used to meet training requirements.

(c) Name and address of person providing training

Name:

Address:

(d) Certification that the hazmat employee has been trained and tested

Test date:

(e) Certification from Instructor:

This is to certify that the above named employee has been trained and tested in accordance with DOT 49 CFR 172.700 thru 172.704: Signature_

This is not a mandatory FEDERAL RAILROAD ADMINISTRATION FORM, but may be used to comply with the training regulations.

	Training Record and Certification	
Company/Corporation:	FCC Environen	tal
Address: City pla.	at city State Fla	Zip <u>33563</u>
Employee Name: First	Christopher Last Bowers	Middle /21
Employee ID Number:	690704	
Position Description:	CSR Driver	

A

TRAINING REGULATIONS

49 CFR 172.700 Purpose and Scope

49 CFR 172.702 Applicability and Responsibility for Training and Testing **49 CFR 172.704** Training Requirements

49 CFR 172.704 (a) Hazmat employees training shall include:

(1) General awareness/familiarization training

(2) Function Specific training

(3) Safety training

(4) Security awareness training

(5) In-depth security training

49 CFR 172.704 (d) RECORDKEEPING

(a) Most recent training completion date inclusive of the preceding three years of the hazmat employee's training. Training at least once every three years

Previous Date _____ Current Date _____ 5-09-2012

(b) A description, copy or the location of the training materials used to meet training requirements.

(c) Name and address of person providing training

Name:

Address:

(d) Certification that the hazmat employee has been trained and tested Test date:

(e) Certification from Instructor:

This is to certify that the above named employee has been trained and tested in accordance with DOT 49 CFR 172.700 thru 172.704: Signature_____

This is not a mandatory FEDERAL RAILROAD ADMINISTRATION FORM, but may be used to comply with the training regulations.

Training Record and Certification
Company/Corporation: FCCQuero, 105 S. Alexangell ST
Address: City PANTCITY State FL Zip 33563
Employee Name: First John Last LCFAN Middle Richer
Employee ID Number: <u>000783</u>
Position Description:

TRAINING REGULATIONS

49 CFR 172.700 Purpose and Scope

49 CFR 172.702 Applicability and Responsibility for Training and Testing

49 CFR 172.704 Training Requirements

49 CFR 172.704 (a) Hazmat employees training shall include:

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(3) Safety training

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(a) Most recent training completion date inclusive of the preceding three years of the hazmat employee's training. Training at least once every three years

Previous Date _____ Current Date _____ Current Date

(b) A description, copy or the location of the training materials used to meet training requirements.

(c) Name and address of person providing training

Name:__

Address:_

(d) Certification that the hazmat employee has been trained and tested Test date:

(e) Certification from Instructor:

This is to certify that the above named employee has been trained and tested in accordance with DOT 49 CFR 172.700 thru 172.704: Signature

This is not a mandatory FEDERAL RAILROAD ADMINISTRATION FORM, but may be used to comply with the training regulations.

FCC Environmental, LLC

CLASS SIGN-IN SHEET

INSTRUCTOR: __John Goelz

DATE: June 9, 2012

COURSE SELECTION:

	HAZMAT Orientation		XX	Confined Space ENTRY Per 29CFR 1910.146								
			xx	Confined Space ENTRY & RESCUE Per 29CFR 1910.146								
	40 HR. HAZWOPER 29CFR 1910.120											
	8 HR. HAZWOPER Supervisor Per 29CFR 1910.120		xx	OTHER-Blood E	Born Pathogen							
	First Aid						-					
	CPR					· · · ·						
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	Hluin Mathis	///		Matt	696							
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	,		-									

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Safety Training Report

Date: 7-2-2012 / For JUNE 7-12-2012 OUT SICK 6-29-1: Time: 8:00AM Location: PLANT CITY FC Subjects: BLOOD BORNE PATHOGANS Instructor: ANDER POUSA Hours: (RINT NAME SIGNATURE SAFETY TOPICS DISCUSSED 3. 7-12-12 4. vellano minao SAFETY SUGGESTIONS 5. 6. 7. 8. 9. 10. 11. **ADDITIONAL COMMENTS** 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.



Safety Meeting Report \Box

Location: PLANT City FC Subjects: Q BLOOD BORNE ATTHOBORS

Instructor: ANEELO POUSA

Safety Training Report □

Date: 6-29-2012

Time: 9,00 AM

Hours: //

PRINT NAME	SIGNATURE	SAFETY TOPICS DISCUSSED
1. Kimberly Chiz	Bennberg 2	
2. Bith Mybley / (Beebingdo	Ry
3. Denise Suidh	L Denise Smith	
4. Kate Trim	Katié In	SAFETY SUGGESTIONS
5. TAMA'I COMPAR V	Freeth	
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MENTS



Location: PLAUT CITY FL

Subjects: BLOUD BORNE PATHOGENS

Instructor: ANGELD POUSA

SIGNATURE PRINT NAME Gorden 1. 71 (a Sumper V Tento 2. 3. GAMEN DAVIS AlanJtinson 4. BILL BRIDHES 1 5. 1 6. Vames 10. Marterson V Manton 11. 12. (n)p-p. 13.\ 14 Beau 19401 HOLLING 15. M Risson 16. YPKEMA A 17. 18. JESUS VALENCIA 19. Nick Tutain \checkmark 20. JAMES/GENNECH V 21. DAVE BRANCH V 22. 23. 24.

Safety Training Report 🗖

Date: 6-29-2012

Time: 7:00 8:00 4:00 AM

Hours: /

SAFETY TOPICS DISCUSSED

SAFFTY SUCRITION BOX NEAR MISS WITH BACK HOR LARRY RYPKIGHA NFAR MISS BBP AWARGNESS

SAFETY SUGGESTIONS

ADDITIONAL COMMENTS



Location: PLANT City FC.

Subjects: EAP DRILL/FIRE PROTECTION PLAN

Instructor: ANGELO PEUSA

PRINT NAME SIGNATURE BRINGES 1. Hrelland ninao 2 POLIL 3. SIOIN hlhs 8 'o trows /Li 9. 10 11 12 13. 14 15. Bisson 16. 17.4 mis mans 18⁄. 19. -14. 2 20. 21. 22. - 12 23. 24.

Safety Training Report 🗆

Date: 9-11-2012

Time: 12:00 PM

Hours: /.30 Min

SAFETY TOPICS DISCUSSED PERFORM EAP DUIL GATHER ALL EMPLOYGES AT GATHERMIS POINT GO EVER THE ACTION PLAN POINTS. THE Q + A SAFETY SUGGESTIONS

ADDITIONAL COMMENTS



Location: PLANT CITY FL

Subjects: 5-STRE DRIVER TRAVAL

Instructor: Angero Poust

Safety Training Report □

Date: 7-27-2012 / 7-30-2012

Time: 7. 00 AM 4:00 PM

Hours: 2.5

SAFETY TOPICS DISCUSSED SIGNATURE PRINT NAME Golda \checkmark 1. 2. StinsonHEACIN SAFETY SUGGESTIONS ews 5 197 An inad 6 1 or de $\overline{\mathbf{x}}$ 7. win 8. SAN 9. 10. AN ADDITIONAL COMMENTS 11. Jumper 12. \checkmark 13. ARNY V Vators HERSON 14. GMPT Gu 15. $\sqrt{}$ 16. 1 VI II QU 150WCIM 17. \checkmark Bisson 18. Í JENNEL 19 opeland)ere 20. 21. 22. mobre 1 aur 23. 24.



Location: PLANT city

Subjects: FL NSFD OIL TRANPAUFAR MANNAR

Instructor: ANGELO POUSH

Safety Training Report □

Date: 7-13-2012

Time: 7:00AM

Hours: 2.0

SAFETY TOPICS DISCUSSED SIGNATURE PRINT NAME USED OIL TRANSPORTER MANUAL * FL 1. Nlick T ortorici STOP WORK AUTHORITY PROGRAM LABUES ON CUSTOMER THNIKS RE-CAP LARRY R - ACCISENT ames nell Dowers Hovers 5. Le-FAN 6. Bost Mar frew S Junner some 10 MARC reland ADDITIONAL COMMENTS 11. Bin * NEW PROCEEDURES FOR PLACME DRIDHES 12. Drums into TRAILER opeland Jeremi (13. ENSURE WALLING ROOM / ISLE SPACE WG1 ter SD 14. -OMPS 11:00 AM 15. Jesos NONAU 16. 17. 18. 19. 20. 21. 22. 23. 24.

-m



Location: PLANT CITY FC

Subjects: STOP WOLL AUTHORITY

Instructor: ANGELO POUSA

Safety Training Report 🗆

Date: 7-16-2012

Time: 3-.50 PM

Hours: 2

PRINT NAME	SIGNATURE	SAFETY TOPICS DISCUSSED
1. JESUS VALENCIA	J-V	STOP WORK ANTHONITY ()
	HA	FL. USED OIL TRANSFORTOR
Phile Boardelay	Mari	· · ·
3. 1/AVE DR. ANCON		SAFETY SUGGESTIONS
4. LAMMY DANG	1	SATE IT SUGGESTIONS
5.		
6.	· · · · · · · · · · · · · · · · · · ·	
7.		4
8.		
9.		
10.		
11.		- ADDITIONAL COMMENTS
		ADDITIONAL COMMENTS
12.		
13		-
15		-
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		



AMERICAN PETROLEUM INSTITUTE INDIVIDUAL CERTIFICATION PROGRAMS

API Individual Certification Programs

certifies that

Drew Kenneth Frye

has met the requirements to be a certified

API-653 Above Ground Storage Tank Inspector

23993

Certification Number

Original Certification Date

Current Certification Date

October 31, 2011

October 31, 2002

Expiration Date

October 31, 2014

Tine Briskin

Manager, Individual Certification Programs



Â.

My 5/10/2013	not vet performed and not based upon date of manufacture	(based upon SPCC regulation effective date)		Note: 1950 used as age for all riveted tanks.	Note: 1990 used as age for welded tanks of uncertain age.	(older portion of plant circa 1989)	10.14		••• •								Inspections by outside contractor per FL law	11.31.2014 Inspections by outside contractor per FL law				ank is unsuitable for any hazardous materials use. Water only.	ank is unsuitable for any hazardous materials use. Water only.			2 - Mar 1			
	Thickness	10.6.2024	10.6.2024 10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	10.6.2024	7.31.2016 Ir	11.31.2014 Ir	3.6.2021	3.6.2021	3.6.2021	5.8.2018 T		8202.8.6			. '		
	External	10.6.2014	10.6.2014 10.6.2014			8435)	10.0.2014			10.6.2014	10.6.2014	10.6.2014	10.6.2014		Sector	10.6.2014	-	9 11.31.2014	10.6.2014	10.6.2014	10.6.2014	5.8.2018		8ZNZ-8-C					
	Internal		1.14.2015 1 14 2015				1.14.2015			1.14.2015	1.14.2015		1.14.2015		1.14.2015	1.14.2015	7.31.2016	11.31.2029				1.30.2009	10.30.2012						
	Contents		Used oil Used oil		lio		Used oil		lio	Diesel fuel	lio	0.	0II				RFO	Used oil					Oily water						
i	FL Gallons	14,700	14,/00 15.000	15,000	15,000	18,800	14,100 14,100	14,700	14,700	10,000	18,800	24,000	20,000	20,700	24,000	30,000	500,000	630,000	30,000	30,000	30,000	47,000	47,000		1,612,300				
	Flant City, FL Tank ID Ga	~~ (N CO	4	5	91	~ 00	6	10	10k	11	12	20KV	20V	24	30KV	552	630	δ	8	S	SKE	SKW		Capacity				
-												•		•															

Tank Integrity Testing Program

FCC Environmental

							Atlach drav	wings if availabl	e		
	Tank Data Sheet		Facility [Plant City, I	۶L]				
•	Date Completed	8/28/2007 B	Tom Burdes	shaw							
	Tank Identification	T # 1]								
	Date of Construction	1950	riveted I	Date of Inst	allation		(not used i	n calculations)			
	Material Thickness lowest course/shell	CS 0.3125	Other								
	(original, in floor center) roof/head	0.3125	Annular ring	ı (if applicat	ole)	na]				
	Code (mark)	[NA								
	Nominal Capacity (mark units) Normal Contents (mark)	GAL Used oil	14,700]]				
	Dimentions (Height/Dia), fl. Orientation	25 11 vert.									
	Foundation type (mark) If concrete, mark ring or solid	concrete solid]								
	elevated or ground contact Double bottom or release previo	ground	no	·····							
		· · · · · · · · · · · · · · · · · · ·	1 110								× **
	Insulation type (mark if none) Coils - describe (mark if none)	none none					·······				
1	Notes on repair or modification	history					1				
		• • •									1 - 11 M - Darffreder I. National and an Andrea
	Formal external inspection	1st sign		2nd 2014	sign	date	3rd 2019	sign	date	4th 2024	sign
	Shell thickness testing Internal inspection, floor& shell	2009 Drew Frye		2024 2025			2024 2035			#DIV/0! 2040	
		2000	L	2020			L. 1999	I			
	The below aplies to API 650, Double Treq for UL	API 12F, and UL 142 (or 142 tanks if welds are af		ot corrode	d) tanks.						
	Roof										
	Year Tmin (this test) 2009 0.	Tmin (las 23 0.25	,	lime int 59	Corr rate 0.0003	Treq cal 0.05	T req min 0.09	Calc Intrve Mir 103	n int 15	Year of next 2024	test
	2024 0.1			15	0.0035	0.05	0.09	6	15		
	2030 0.1			6	0.0031	0.05	0.09	6	15		
	2036 0.1	41 0.158		6	0.0031	0.05	0.09	4	15	2040	
	Floor Year Tmin (this test)	Tmin (las	test)		Corr rate	Trea cal	Trea min	Calc Intrve Mir	ı int	Year of next	test
		16 0.25		55	0.0016	0.1	0.1	18	20		test
		13 0.16		20	0.0015	0.1	0.1	10	20		
	2035 0.1 2040 0.1			10 5	0.0015 0.0052	0.1 0.1	0.1 0.1	5 1	20 20		
	Shell			5			(0.05 if lined)		20		
	Year Tmin (this test)	Tmin (las	test)		Corr rate	Treq cal	Treg min	Calc Intrva Mir	n Int	Year of next	test
	2009 0.	29 0.3125	,	59	0.0004	0.0378	0.1	125	15	2024	
		11 0.29		15	0.0120	0.0378	0.1	0 #D3) ((0)	15		
		11 0.11 11 0.11		0 #DIV/0!	0.0000 #DIV/0!	0.0378 0.0378	0.1 D.1	#DIV/0! #DIV/0!		#DIV/0! #DIV/0!	
						2.00.0	v.1				

Tank Integrity Testing Program

FCC Environmental

					Altach drawin	gs if availat	ble		
Tank Data Sheet		Facility	Plant City, FL.]				
Date Completed	[8/28/2007] By	Tom Burd	leshaw						
Tank Identification	<u>T#2</u>]							
Date of Construction	1950		Date of Installation	on](not used in c	alculations)			
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.3125 0.3125 0.25	Annular ri] ing (if applicable)	па]				
Code (mark)		na	riveted						
Nominal Capacity (mark units) Normal Contents (mark)	Gal 14,700 Used oil]				
Dimentions (Height/Dia), ft. Orientation	25 10 vert.]							
Foundation type (mark) If concrete, mark ring or solid elevated or ground contact Double bottom or release preventio	concrete solid ground	no							
Insulation type (mark if none) Coils - describe (mark if none)	none	·			······				
Notes on repair or modification hist	ory				Ъ				
	01	Te-					•••		
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 Drew Frye 2009			gn date	3rd 2019 2024 2035	sign	date .	4th 2024 #DIV/0! 2040	sign
The below aplies to API 650, API Double Treq for UL 142	12F, and UL 142 (only lanks if welds are affec		ot corroded) tank	S.					
Roof									

Year Tmin (th	is test)	Tmin (last test)	time int	Corr rate	Treq cal	Treq min	Calc Intrv: Min I	nt	Year of next test
2009	0.23	0.25	59	0.0003	0.05	0.09	103	15	2024
2024	0.177	0.23	15	0.0035	0.05	0.09	6	15	2030
2030	0.158	0.177	6	0,0031	0.05	0,09	6	15	2036
2036	0.141	0.158	6	0.0031	0.05	0.09	4	15	2040
Floor									
Year Tmin (th	is test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrv: Min I	nt	Year of next test
2005	0.16	0.25	55	0.0016	0.1	0.1	18	20	2025
2025	0.13	0.16	20	0.0015	0.1	0.1	10	20	2035
2035	0.115	0.13	10	0.0015	0.1	0.1	5	20	2040
2040	0.114	0.14	5	0.0052	0.1	0.1	1	20	2041
						(0.05 if lined)	>		
Shell									
Year Tmin (thi	is test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrve Min I	nt	Year of next test
2009	0.23	0.3125	59	0.0014	0.0378	0.1	23	15	2024
2024	0.11	0.23	15	0.0080	0.0378	0.1	0	15	2024
2024	0.11	0,11	0	0.0000	0.0378	0.1	#DIV/0!	15	#DIV/0!
#DIV/0!	0.11	0.11	#DIV/0!	#DIV/0!	0.0378	0.1	#DIV/0!	15	#DIV/0!

FCC Environmental

					·	Attach drav	wings if availa	ble		
Tank Data Sheet		Facility	Plant City, I	FL.]				
Date Completed	8/28/2007 By	Tom Burde	shaw							
Tank Identification	Т#3]								
Date of Construction	1970 uncertain		Date of Inst	allation	[(not used i	n calculations	;)		
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.25 0.25 0.25	Annular ring	g (if applical	ole)	na]				
Code (mark)		UL 142								
Nominal Capacity (mark units) Normal Contents (mark)	Gal 15,000 Used oil]]				
Dimentions (Heighl/Dia), ft. Orientation	26 10 vert.]								
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevent	concrete solid ground	yes								
Insulation type (mark if none) Coils - describe (mark if none)	none none	·								
Notes on repair or modification his	story									
	1									• •••
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st Sign 2009 Drew Frye 2009 Drew Frye 2009	10/6/2009	2nd 2014 2024 2017	sign	date	3rd 2019 2024 2023	sign	date 	4th 2024 #DIV/0! 2025	sign
The below aplies to API 650, AP Double Treq for UL 14	1 12F, and UL 142 (onl 2 tanks if welds are affe		ot corroder	i) tanks.						
Roof										
Year Tmin (this test)	Tmin (last	test)					Calc Intrva M		Year of next	test
2009 0.23 2024 0.177			39 15	0.0005 0.0035	0.05 0.05	0.09 0.09	68 6	15 15	202 4 2030	
2024 0.177			15	0.0035	0.05	0.09	о 6	15	2030	
2030 0.141			6	0.0031	0.05	0.09	4	15	2038	
Floor										
Year Tmin (this test)	Tmin (last	test)	1	Corr rate	Treg cal	Trea min	Calc Intrva M	lin Int	Year of next	test
2005 0.16		,	35	0.0026	0.1	0.1	12	20	2017	
2017 0.13			12	0.0026	0.1	0.1	6	20	2023	

6 3 0.0026 3 2023 0.115 0.13 0.1 0.1 20 2025 2025 0.114 0.14 0.0089 0.1 0.1 1 20 2026 (0.05 if lined) Shell Corr rate Treq cal Treq min Calc Intrv: Min Int Year of next test Year Tmin (this test) Tmin (last test) 2009 0.23 0.25 39 0.0005 0.0393 0.1 63 15 2024 2024 0.11 0.23 15 0.0080 0.0393 0.1 0 15 2024 2024 0 0.0000 0.0393 #DIV/0! 15 #DIV/0! 0,11 0.11 0,1 #DIV/0! 0.11 0,11 #DIV/0! #DIV/0! 0.0393 0.1 #DIV/0! 15 #DIV/0!

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						Attach drav	vings if availat	le		
Tank Data Sheet		Facility	Plant City, I	FL.						
Date Completed	8/28/2007 By	Tom Burd	leshaw							
Tank Identification	T#4									
Date of Construction	1970		Date of Inst	allation](not used i	n calculations)			
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.25 0.25 0.25	Annular ri	ng (if applicat	ole)	ha]				
Code (mark)		UL 142]							
Nominal Capacity (mark units) Normal Contents (mark)	Gal 15,000 Used oil		1]				
Dimentions (Height/Dia), ft. Orientation	26 10 vert.									
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release preven	concrete solid ground ntion barrier?	กอ]							
Insulation type (mark if none) Coils - describe (mark if none)	none none		I							-
Notes on repair or modification h Long thin patch ~ 5' up. Not a re	pair - coil removal?	æ								
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 Drew Frye 2009			sign	date	3rd 2019 2024 2023	sign	date 4	th 2024 #DIV/0! 2025	sign
The below aplies to API 650, A Double Treg for UL 1	API 12F, and UL 142 (o 42 tanks if welds are af		ls not corroc	led) tanks.						
Roof Year Tmin (this test) 2009 0.23 2024 0.177 2030 0.158 2036 0.141	Tmin (last 0.25 0.23 0.177 0.158	test)	time int 39 15 6 6	Corr rate 0.0005 0.0035 0.0031 0.0031	Treq cal 0.05 0.05 0.05 0.05 0.05	Treq min 0.09 0.09 0.09 0.09 0.09	Calc Intrve Mi 68 6 6 4	n Int Y 15 15 15 15	ear of next 2024 2030 2036 2040	test

Year Tmin (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrva Min In	t	Year of next test
2005	0.16	0.25	35	0.0026	0,1	0.1	12	20	2017
2017	0.13	0.16	12	0,0026	0,1	0.1	6	20	2023
2023	0.115	0.13	6	0.0026	0.1	0.1	3	20	2025
2025	0.114	0.14	3	0.0089	0.1	0.1	1	20	2026
						(0.05 if lined)		
*									
Year Tmin (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrv: Min In	t	Year of next test
2009	0.23	0.25	39	0.0005	0.0393	0.1	63	15	2024
2024	0.11	0.23	15	0.0080	0.0393	0.1	0	15	2024
2024	0.11	0.11	0	0.0000	0.0393	0.1	#DIV/0!	15	#DIV/0!
DIV/0!	0.11	0.11	#DIV/0!	#DIV/0!	0.0393	0.1	#DIV/0!	15	#DIV/0!

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						Attach drawir	ngs if avail	able		
Tank Data Sheet		Facility	Plant City, F	L.]				
Date Completed	8/28/2007 By	Tom Burd	leshaw							
Tank Identification	T#5]								
Date of Construction	1970		Date of Insta	illation		(not used in a	alculation	s)		
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.25 0.25 0.25	Annular ri] ng (if applicab	le)	na					
Code (mark)		UL 142]							
Nominal Capacity (mark units) Normal Contents (mark)	Gal 15,000 Used oil				I]				
Dimentions (Height/Dia), fl. Orientation	26 10 vert.]								
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release preventio	concrete solid ground n barrier?	no]							
Insulation type (mark if none)	none		· · · · · · · · · · · · · · · · · · ·							
Coils - describe (mark if none) Notes on repair or modification hist Long thin patch ~ 5' up. Not a repair										
 1 + SUBDIVE of In-POLE PARAME AND NOT 100" (2) 		2				:				
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 Drew Frye 2009			sign	date	3rd 2019 2024 2023	sign	date	4th 2024 #DIV/01 2025	sign
The below aplies to API 650, API Double Treq for UL 142			ot corroded)	tanks.						
Roof										

Year Tmin (t	his test)	⊤min (last test)	time int	Corr rate	Treq cal	Treq min	Calc Intrva Min In	t	Year of next test
2009	0.23	0.25	39	0.0005	0.05	0.09	68	15	2024
2024	0.177	0.23	15	0.0035	0.05	0.09	6	15	2030
2030	0.158	0.177	6	0.0031	0.05	0.09	6	15	2036
2036	0.141	0.158	6	0.0031	0.05	0.09	4	15	2040
Floor									
Year Tmin (t	his test)	Tmin (last test)		Corr rate	Treg cal	Treg min	Calc Intrve Min In	t	Year of next test
2005	0.16	0.25	35	0.0026	0.1	0.1	12	20	2017
2017	0.13	0.16	12	0.0026	0.1	0.1	6	20	2023
2023	0.115	0.13	6	0.0026	0.1	0.1	3	20	2025
2025	0.114	0.14	3	0.0089	0.1	0.1	1	20	2026
						(0.05 if lined)			
Shell									
Year Tmin (t	his test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrv: Min In	t	Year of next test
2009	0.23	0.25	39	0.0005	0.0393	0.1	63	15	2024
2024	0,11	0,23	15	0.0080	0.0393	0.1	0	15	2024
2024	0.11	0,11	0	0.0000	0.0393	0.1	#DIV/0!	15	#DIV/0!
#DIV/0!	0.11	0.11	#DIV/0!	#DIV/0!	0.0393	0.1	#DIV/0!	15	#DIV/0!

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				A	Attach drav	vings if available		
Tank Data Sheet	Facility	Plant City, F	L.					
Date Completed	8/28/2007 By Tom B	urdeshaw						
Tank Identification	T#6							
Date of Construction	1950	Date of Insta	Illation		not used ir	n calculations)		
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.3125 0.3125 0.3125 Annula	ar ring (if applicabl	e) na	a				
Code (mark)	na	riveted						
Nominal Capacity (mark units) Normal Contents (mark)	Gal 18,800 Used oil							
Dimentions (Height∕Dia), ft. Orientation	32 10 verl.							
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevention bar	ier? no	· · · · · · · · · · · · · · · · · · ·						
Insulation type (mark if none) Coils - describe (mark if none)	none	l	<u> </u>				- "	***
Notes on repair or modification history								
	m							
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign/ date 2009 Drew Frys 10/6/2 2009 Drew Frys 10/6/2 2009	009 2014	sign	date 3	rd 2019 2024 2035	sign dat	e	4th 2024 #DIV/0! 2040
The below aplies to API 650, API 12F, Double Treq for UL 142 tanks		corroded) tanks.						
Year Tmin (this test) 2009 0.2 2024 0.17 2030 0.15 2036 0.14	7 0.23 3 0.177					Calc Intrv: Min In 103 6 6 4	t 15 15 15 15	Year of ne: 2024 2030 2036 2040
Fioor Year Tmin (this test) 2005 0.1 2025 0.1 2035 0.11 2040 0.11	3 0.16 5 0.13	C 55 20 10 5	Corr rate Tr 0.0016 0.0015 0.0015 0.0052	0.1 0.1 0.1 0.1	req min 0.1 0.1 0.1 0.1 0.1	Calc Intrv: Min In 18 10 5 1	t 20 20 20 20	Year of ne: 2025 2035 2040 2041
Year Tmin (this test) 2009 0.2 2024 0.1 2024 0.1 2024 0.1 #DIV/0! 0.1	1 0.24 1 0.11	59 15 0	orr rate Tr 0.0012 0.0087 0.0000 #DIV/0!	req cal T 0.0488 0.0488 0.0488 0.0488 0.0488	0.1 0.1	Calc Intrv: Min In 28 0 #DIV/0! #DIV/0!	15 15 15	Year of ne; 2024 2024 #DIV/0! #DIV/0!

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FCC Environmental

					Atlach drawings if a	vailable	
Tank Data Sheet		Facility	Plant City, FL.				
Date Completed	8/28/2007 By	Tom Burde	eshaw				
Tank Identification	T#7						
Date of Construction	1970		Date of Installation		(not used in calcula	tions)	
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.25 0.25 0.25	Annular rir] ng (if applicable)	na	l		
Code (mark)		UL 142]				
Nominal Capacity (mark units) Normal Contents (mark)	Gal 14,100 Used oil]				
Dimentions (Height/Dia), ft. Orientation	24 10 vert.						
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevention b	concrete solid ground arrier?	no					
Insulation type (mark if none) Coils - describe (mark if none)	none		T				
Notes on repair or modification history							
	\mathcal{N}	WD-1					
Formal external inspection Shell thickness testing Internal inspection, floor& shell		date 10/6/2009 10/6/2009		date	3rd sign 2019 2024 2023	date	4th 2024 #DIV/0! 2025

The below aplies to API 650, API 12F, and UL 142 (only if welds not corroded) tanks. Double Treq for UL 142 tanks if welds are affected.

Roof									
Year Tmin (this t	est)	Tmin (last test)	time int	Corr rate	Treq cal	Treq min	Calc Intrv: Min Inf		Year of ne:
2009	0.16	0.25	39	0.0023	0.05	0.09	8	15	2017
2017	0.177	0.16	8	~0.0022	0.05	0.09	-10	15	2007
2007	0.158	0.177	-10	-0.0020	0.05	0.09	-9	15	1998
1998	0.141	0.158	-9	-0.0020	0.05	0.09	-7	15	1992
Floor									
Year Tmin (this to	est)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrve Min Int		Year of ne:
2005	0.16	0.25	35	0.0026	D,1	0.1	12	20	2017
2017	0.13	D.16	12	0.0026	0.1	0.1	6	20	2023
2023	0.115	0.13	6	0.0026	0.1	0.1	3	20	2025
2025	0.114	0.14	3	0.0089	0.1	0.1	1	20	2026
						(0.05 if ilned))		
Shell									
Year Tmin (this t	est)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrv: Min Int		Year of ne:
2009	0.21	0.25	39	0.0010	0.0362	0.1	27	15	2024
2024	0.11	0.21	15	0.0067	0.0362	0.1	0	15	2024
2024	0.11	0.11	0	0.0000	0.0362	0.1	#DIV/0!	15	#DIV/0!
#DIV/0!	0.11	0.11	#DIV/0!	#DIV/0!	0.0362	0.1	#D!V/0!	15	#DIV/0!

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						Attach dra	wings if availabl	e		
Tank Data Sheet		Facility Pla	nt City, FL>]				
Date Completed	8/29/2007	By Tom Burdesha	w							
Tank Identification	T#8									
Date of Construction	1950	Dat	e of Installa	tion](not used i	n calculations)			
Material Thickness lowest course/shel (original, in floor center) roof/head	CS 0.25 0.375 0.375	Annular ring (if	applicable)	l	na]				
Code (mark)	C	narive	ted							
Nominal Capacity (mark units) Normal Contents (mark)	Gal 14,100 Used oil)	<u> </u>]				
Dimentions (Height/Dia), ft. Orientation	24 vert.	10								
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prev	concrete solid	1 по				. '				
Insulation type (mark if none) Coils - describe (mark if none)	none none	· · · · · · · · · · · · · · · · · · ·	İ							
Notes on repair or modification	history					1				
	d and the second se	VN>	 set to start at strate base of deer 	haded a daar a caa daar a	,					
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Fr 2009 Drew Fr 2009		2014 1957 2025	sign	date	3rd 2019 1957 2035	sign	date	4th 202 #DIV/0! 204]
The below aplies to API 650, Double Treq for UL	API 12F, and UL 142 (or 142 tanks if welds are aff		rroded) tar	ıks.						
2029 0	Tmin (la 0.23 0.3 177 0.1 158 0.1 141 0.15	75 23 77	59 (14 (6 (Treq min 0.09 0.09 0.09 0.09	Calc Intrva Mir 14 6 5 4	i int 15 15 15 15	202 203	3 9 4
2025 2035 0 2040 0	Tmin (la 0.16 0.1 0.13 0.1 115 0.1 114 0.1	25 16 13	55 (20 (10 (r rate 0.0016 0.0015 0.0015 0.0052	Treq cal 0.1 0.1 0.1 0.1	Treq min 0.1 0.1 0.1 0.1 (0.05 if lined)	Calc Intrv։ Mir 18 10 5 1	int 20 20 20 20	203: 204(5 5 0
Shell Year Tmin (this test)	Tmin (la	st test)	Con	r rate	Treq cal	Treq min	Calc Intrv: Min	int	Year of n	ext test
1957 1957	0.31 0.2 0.11 0.3 0.11 0.3 0.11 0.3	81 1	-52 -(-1 (0.0010 0.0039 0.0000 0!V/0!	0.0362 0.0362 0.0362 0.0362		-52 -1 #DIV/0! #DIV/0!			

					Atlach drawii	ngs if availal	ole		
Tank Data Sheet		Facility Plant C	lity, FL.						
Date Completed	8/29/2007 B	y Tom Burdeshaw							
Tank Identification	Т#9								
Date of Construction	1950	Date of	Installation		(not used in a	calculations)	,		
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.375 0.375 0.25	Annular ring (if app	licable)	na					
Code (mark)		na riveted							
Nominal Capacity (mark units) Normal Contents (mark)	Gal 14,700 Used oil RFO	gal. Fuel H20		[]					
Dimentions (Height/Dia), ft. Orientation	25 1(vert.	0							
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release preven	concrete solid ground tion barrier?								
Insulation type (mark if none) Coils - describe (mark if none)	none			1					
Notes on repair or modification h	istory								
		Ma							
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 Drew Frye 2009	e 10/6/20092(sign)14)24)25	date	3rd 2019 2024 2035	sign	date	4th 2024 #DIV/0! 2040	sign
The below aplies to API 650, A Double Tree for UL 1-	PI 12F, and UL 142 (on 42 tanks if welds are affe		oded) tanks.						
Roof								_	
Year Tmin (this test) 2009 0.2	Tmin (las 3 0.25		t Corr rate 59 0.0003		Treq min C 0.09	alc Intrva M 103	in Int 15	Year of next 5 2024	test

	2024	0.177	0.23	15	0.0035	0.05	0.09	6	15	2030
	2030	0.158	0.177	6	0.0031	0.05	0.09	6	15	2036
	2036	0.141	0.158	6	0.0031	0.05	0.09	4	15	2040
Floor										
	Year Tmir	n (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrve Min	Int	Year of next test
	2005	0.16	0.25	55	0.0016	0.1	0.1	18	20	2025
	2025	0.13	0.16	20	0.0015	0.1	0.1	10	20	2035
	2035	0.115	0.13	10	0.0015	0.1	0.1	5	20	2040
	2040	0.114	0.14	5	0.0052	0.1	0,1	1	20	2041
							(0.05 if lined))		
Sheil										
	Year Tmin	ı (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrve Min	Int	Year of next test
	2009	0.37	0.375	59	0.0001	0.0378	0.1	796	15	2024
	2024	0.11	0.37	15	0.0173	0.0378	0.1	0	15	2024
	2024	0.11	0.11	0	0.0000	0.0378	0.1	#DIV/0!	15	#DIV/0!
#Di\	//0!	0,11	0.11	#DIV/0!	#DIV/0!	0.0378	0.1	#DIV/0!	15	#DIV/0!

								Attach drav	vings if avail	lable	
Tank Dat	a Sheet			Facility	Plant City,	FL.]			
Date Complete	d	8/29/2007] Ву	Tom Burd	eshaw]					
ank Identificat	ion	T#10]							
Date of Constru	uction	1950			Date of Ins	tallation](not used i	n calculation	s)	
Material	1	CS]						
original, in.)	lowest course/shell floor center) roof/head	0.375 0.375 0.25	5	Annular fir	ıg (if applica	ble)	ina]			
Code (mark)				па]riveted						
Nominal Capac Normal Content	ity (mark units) ts (mark)	Gal Used oil	14,700 RFO	Fuel	H2O	I	I]			
Dimentions (He Orientation	ight/Dia), ft.	25	i 10 vert.								
Foundation type f concrete, mar		concrete	solid								
elevated or gou Double bottom	nd contact or release prevention b	parrier?	ground	no]					,
nsulation type (none	<u> </u>			I]				
Jons - describe	(mark if none)	none	1						I		
		1st /	De Constan	2date	2nd	sign	date	3rd	sign	date	4th
Formal external Shell thickness nternal inspecti		2009	Drew Frye Drew Frye	10/6/2009	2014	l	uute	2019 2024 2035	3:911	unc	2024 #DIV/0! 2040
	ies to API 650, API 12 Double Treq for UL 142			not corroc	led) tanks.						
Roof						_	_				
Year 1 2009	Tmin (this test)	0. 2 3	Tmin (last 0.25		time int 59	Corr rate 0.0003		Treq min 0.09	Calc Intrva 103	Min Int 1	Year of ne 5 2024
2024		0.177	0.23		15	0.0035	0.05	0.09	6	1	5 2030
2030		0.158	0.177		6	0.0031	0.05	0.09	6	1	5 2036
2036		0.141	0.158		6	0.0031	0.05	0.09	4	1	5 2040
loor Voor	Tmin (this test)		Tmin (last	tost)		Corr rata	Trog cal	Tree min	Calc Intrva	Min Int	Year of ne
1 ear 2005	rann (ans rest)	0.16	0,25	•	55			0.1	Laic milve 18	2	
2025		0.13	0,16		20	0.0015			10	2	
2035 2040		0.115 0.114	0.13 0.14		10 5			0.1 0.1	5 1	2 2	
Shell								(0,05 if lined)			
	Tmin (this test)		Tmin (last	test)		Corr rate	Treq cal	Treg min	Calc Intrva	Min Int	Year of ne
2009	. ,	0.355	0.375	,	59	0.0003	0.0378	0.1	188	1	5 2024
2024		0.11	0.355		15	0.0163		0.1	0	1	
2024 #DIV/0!		0.11 0.11	0.11 0.11		0 #DIV/0!	0.0000 #DIV/0!	0.0378 0.0378	0.1 0.1	#DIV/0! #DIV/0!	1.	5 #DIV/0! 5 #DIV/0!
#D:V/U:		0.11	U. (1		#D:V/U	#D1970!	0.0378	0.1	HUIVIU!	1.	
#64.8701		0.11	0.11		HDIVIU:	THEY/U!	0.0370	0,1	mp1970;	1.	,

				Attac	ch drawings if availab	le		
Tank Data Sheet		Facility Plan	nt City, FL.					
Date Completed	8/29/2007	By Tom Burdeshav	v					
Tank Identification	T # 10K							
Date of Construction	1989	Date	e of Installation	Jul-89 (not	used in calculations)			
Material Thickness lowest course/sheil (original, in floor center) roof/head	CS 0.2 0.2 0.1875	Annular ring (if a	applicable)	na				
Code (mark)		UL 142						
Nominal Capacity (mark units) Normal Contents (mark)	Gal 10,000 over the road diesel fuel		esel	<u> </u>				
Dimentions (Height/Dia), fl. Orientation	16 10 vert.	0.5						
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release preven	concrete solid ground	ı no						
Insulation type (mark if none) Coils - describe (mark if none)	none none				-			
Notes on repair or modification h	listory							
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Fr 2009 Drew Fr 2009		sign 2014 2024 2010	date 3rd	sign 2019 2024 2013	date	4th 2024 #DIV/0! 2014	
The below aplies to API 650, A Double Treg for UL 1	PI 12F, and UL 142 (only if 42 lanks if welds are affected		d) tanks.					
Roof Year Tmin (this test) 2009 1993 1986 1980	Tmin (l a 0.23 0.18 0.177 0 0.158 0.1 0.141 0.1	75 23 77		0.05 0.05 0.05	min Calc Intrve Min 0.09 -16 0.09 -7 0.09 -6 0.09 -5	n Int 15 15 15 15	Year of ne: 1993 1986 1980 1975	
Floor Year Tmin (this test) 2005 2010 2013 2014	Tmin (la 0.16 0.1 0.13 0. 0.115 0. 0.114 0.	25 16 13	Corr rate 16 0.0056 5 0.0056 3 0.0056 1 0.0195	0.1 0.1 0.1 0.1	min Calc Intrve Mia 0.1 5 0.1 3 0.1 1 0.1 1 0.1 0 if lined)	n int 20 20 20 20	Year of ne: 2010 2013 2014 2015	
Shell Year Tmin (this test) 2009 2024 2024 #DIV/0!	Tmin (la 0.195 C 0.11 0.11 0.11 0.1 0.11 0.1	.2 95 11	Corr rate 20 0.0003 15 0.0057 0 0.0000 IV/0! #DIV/0!	0.0248 0.0248	min Calc Intrve Mia 0.1 95 0.1 0 0.1 #DIV/0! 0.1 #DIV/0!	15 15 15	Year of ne; 2024 2024 #DIV/0! #DIV/0!	

Tank Integrity Testing Prog	Iram	FCC En	vironmental					a.
					Attach drawir	ngs if avail	able	
Tank Data Sheet		Facility	Plant City, FL.]			
Date Completed	[8/29/2007] B	y Tom Burd	leshaw					
Tank Identification	T#11]						
Date of Construction	1950		Date of Installation	May-8	(not used in c	alculation	s)	
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.3125 0.3125 0.25	Annular ri] ng (if applicable)	na]			
Code (mark)		UL 142]					
Nominal Capacity (mark units) Normal Contents (mark)	Gal 18,800 Used oil RFO	gal. Fuel	H2O]			
Dimentions (Heighl/Dia), ft. Orientation	32 10 vert.							
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevention	concrete solid ground barrier?	no						
Insulation type (mark if none) Coils - describe (mark if none)	none none				······································			
Notes on repair or modification histo	лу				7			
	De	F	in n			-		
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 Drew Frye 2009		2014	date	3rd 2019 2024 2035	sign	date	4th 2024 #DIV/0! 2040

The below aplies to API 650, API 12F, and UL 142 (only if welds not corroded) tanks. Double Treq for UL 142 tanks if welds are affected.

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Roof										
Year	Tmin (this test)		Tmin (last test)	time int	Corr rate	Treq cal	Treq min	Calc Intrve Min Int	t	Year of ne:
2009		0.23	0.25	59	0.0003	0.05	0.09	103	15	2024
2024	. C	.177	0.23	15	0.0035	0.05	0.09	6	15	2030
2030	C	.158	0.177	6	0.0031	0.05	0,09	6	15	2036
2036	C	.141	0.158	6	0.0031	0.05	0.09	4	15	2040
Floor										
Year	Tmin (this test)		Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrv: Min Int	ł	Year of ne:
2005		0,16	0,25	55	0.0016	0.1	0.1	18	20	2025
2025		0.13	0.16	20	0.0015	0.1	0.1	10	20	2035
2035	C	.115	0.13	10	0.0015	0.1	0.1	5	20	2040
2040	0	.114	0.14	5	0.0052	0.1	0.1	1	20	2041
							(0.05 if lined))		
Shell										
Year	Tmin (this test)		Tmin (last test)		Corr rate	Treg cal	Treq min	Calc Intrv: Min Inf	t i	Year of ne:
2009		0.27	0.3125	59	0.0007	0.0488	0.1	59	15	2024
2024		0.11	0.27	15	0.0107	0.0488	0.1	0	15	2024
2024		0.11	0.11	0	0.0000	0.0488	0.1	#D!V/0!	15	#DIV/0!
#DIV/0!		0.11	0.11	#DIV/0!	#DIV/0!	0.0488	0,1	#DIV/0!	15	#DIV/0!

						Attach dra	wings if availab	le		
Tank Data Sheet		Facility	Plant City,	 FL.		1				
Date Completed	[8/29/2007] B	Tom Burd				1				
			esnaw							
Tank Identification	<u> </u>	4				.				
Date of Construction	1996		Date of Inst	allation	[May-80]{not used i	n calculations)			
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.25 0.25 0.25	Annular rir] ng (if applical	ble)	na					
Code (mark)		UL 142]							
Nominal Capacity (mark units) Normal Contents (mark)	Gal 24,000 Used oil RFO	Fue!] H2O]				
Dimentions (Height/Dia), ft. Orientation	37 10.5 vert.									
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release preve	concrete solid ground	no]							
Insulation type (mark if none) Coils - describe (mark if none)	none none				J					
Notes on repair or modification	nistory	Vun	-1							
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 Drew Frye 2009 Drew Frye			sign	date	3rd 2019 2024 2010]	date	4th 2024 #DIV/0! 2010	sign
The below aplies to API 650, A Double Treg for UL	API 12F, and UL 142 (142 tanks if welds are		is not corro	ded) tanks	5.					
Year Tmin (this test) 2009 0.23 2024 0.177 2030 0.158 2036 0.141	Tmin (las 0.25 0.23 0.177 0.156	5 5	time int 13 15 6 6	Corr rate 0.0015 0.0035 0.0031 0.0031	0,05 0,05 0,05	0.09 0.09 0.09	Calc Intrve Mi 23 6 6 4	n Int 15 15 15 15	Year of nex 2024 2030 2036 2040	t test
Year Tmin (this test) 2005 0.16 2008 0.13 2010 0.115 2010 0.114	0.16		9 3 2 1	Corr rate 0.0100 0.0100 0.0100 0.0347	0.1 0.1 0.1	0.1 0.1 0.1 0.1	Calc Intrve Min 3 2 1 0	n Int 20 20 20 20	Year of nex 2008 2010 2010 2010 2010	t test
Shell						(0.05 if lined)				
Year Tmin (this test) 2009 0.245 2024 0.11 2024 0.11 #DIV/0! 0.11	Tmin (last 0.25 0.245 0.11 0.11		13 15 0 #DIV/0!	Corr rate 0.0004 0.0090 0.0000 #DIV/0!	0.0595 0.0595	0.1 0.1 0.1	Calc Intrva Min 94 0 #DIV/0! #DIV/0!	n Int 15 15 15 15	Year of nex 2024 2024 #DIV/0! #DIV/0!	t test

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		. Attach drawings if available
Tank Data Sheet	Facili	ty Plant City, FL.
Date Completed	8/29/2007 By Tom	Burdeshaw
Tank Identification	T # 20KV	
Date of Construction	1990	Date of Installation Jul-89 (not used in calculations)
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.2 0.25 0.185	lar ring (if applicable) na
Code (mark)	UL	142
Nominal Capacity (mark units) Normal Contents (mark)	Gal 20,000 Used oil RFO Fu	Jel H2O
Dimentions (Height/Dia), ft. Orientation	24 12 vert.	
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevent	concrete solid ground	o
Insulation type (mark if none)		
Coils - describe (mark if none)	none	
Notes on repair or modification hi	story	
	May	
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign da 2009 Drew Frye 10/6/ 2009 Drew Frye 10/6/ 2009 Drew Frye 10/6/	2009 2014 2019 2024
The below aplies to API 650, Af Double Treq for UL 14	PI 12F, and UL 142 (only if we 12 tanks if welds are affected,	ids not corroded) tanks.
Roof		
Year Tmin (this test)	Tmin (last test)	time int Corr rate Treq cal Treq min Calc Intrva Min Int Year of next tes
2009 0.1 2022 0.17		19 0.0013 0.05 0.09 13 15 2022 13 -0.0013 0.05 0.09 -17 15 2005
2005 0.15		-17 -0.0011 0.05 0.09 -15 15 1990
1990 0.14		-15 -0.0011 0.05 0.09 -11 15 1979
Floor		
Year Tmin (this test)	Tmin (last test)	Corr rate Treq cal Treq min Calc Intrve Min Int Year of next tes
2005 0.1		15 0.0060 0.1 0.1 5 20 2010 5 0.0050 0.1 0.1 3 20 2012
2010 0.1 2013 0.11		5 0.0060 0.1 0.1 3 20 2013 3 0.0060 0.1 0.1 1 20 2014
2013 0.11		1 0.0208 0.1 0.1 0 20 2014
Shell		(0.05 if lined)

Onen										
Year	Tmin (this test)		Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrva Mir	n Int	Year of next test
2009	. 0	.195	0,2	19	0.0003	0.0434	0.1	90	15	2024
2024		0,11	0.195	15	0.0057	0.0434	0.1	0	15	2024
2024	•	0.11	0.11	0	0.0000	0.0434	0.1	#DIV/0!	15	#DIV/0!
#DIV/0!		0.11	0.11	#DIV/0!	#DIV/0!	0.0434	0.1	#DIV/0!	15	#DIV/0!

						Attach drawi	ngs if ava	ilable	
Tank Data Sheet		Facility	Plant City,	FL.]			
Date Completed	8/29/2007 By	Tom Burd	leshaw	I					
Tank Identification	T # 20V]							
Date of Construction	1990		Date of Ins	tallation	May-80	(not used in	calculatio	ns)	
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.25 0.25 0.25	Annular rii	ng (if applica	ble)	na]			
Code (mark)		UL 142]						
Nominal Capacity (mark units) Normal Contents (mark)	Gal 20,700 Used oil Antifreeze	Fuel	H2O]			
Dimentions (Height/Dia), fl. Orientation	32 10.5 vert.								
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevention	concrete solid ground barrier?	no							
Insulation type (mark if none) Coils - describe (mark if none)	none			~	1		·]	
Notes on repair or modification history	· · · · · · · · · · · · · · · · · · ·							1	
·····		han							
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 Drew Frye 2009			sign	date	3rd 2019 2024 2013	sign	date	4th 2024 #DIV/0! 2014
The below aplies to API 650, API 12 Double Treq for UL 142 ta			t corroded) :	tanks.					
Roof									

Year	· Tmin (this test)		Tmin (last test)	time int	Corr rate	Treg cal	Treg min	Calc Intrv: Min Int		Year of ne:
2009)	0.23	0.25	19	0.0011	0.05	0.09	33	15	2024
2024	Ļ	0.177	0.23	15	0.0035	0.05	0.09	6	15	2030
2030	1	0,158	0.177	6	0.0031	0,05	0,09	6	15	2036
2036	i	0,141	0.158	6	0.0031	0.05	0.09	4	15	2040
Floor										
Year	· Tmin (this test)		Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrve Min Int		Year of ne:
2005	· ·	0.16	0.25	15	0.0060	0.1	0.1	5	20	2010
2010	l	0.13	0.16	5	0.0060	0.1	0.1	3	20	2013
2013	•	0.115	0.13	3	0.0060	0.1	0.1	1	20	2014
2014		0.114	0.14	1	0.0208	0.1	0.1	0	20	2014
							(0.05 if lined))		
Shell										
Year	Tmin (this test)		Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrve Min Int		Year of ne:
2009		0.23	0.25	19	0.0011	0.0512	0.1	31	15	2024
2024		0.11	0,23	15	0.0080	0.0512	0.1	0	15	2024
2024		0.11	0.11	0	0.0000	0.0512	0.1	#DIV/0!	15	#DIV/0!
#DIV/0!		0.11	0.11	#DIV/0!	#DIV/0!	0.0512	0.1	#DIV/0!	15	#DIV/0!

			Attach drawings if availa	able
Tank Data Sheet	Facility	Plant City, FL.		
Date Completed	8/29/2007 By Tom Burde	eshaw		
Tank Identification	T # 24			
Date of Construction	Unknown	Date of Installation May-8	(not used in calculations	5)
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.250" 0.375" Annular rir 0.375"] ng (if applicable) [na	2	
Code (mark)	UL 142]		
Nominal Capacity (mark units) Normal Contents (mark)	Gal 24,000 gal. Used oil RFO Fuel	H20		
Dimentions (Height/Dia), ft. Orientation	37.2" 10.5" Horz			
Foundation type (mark) if concrete, mark ring or solid elevated or gound contact Double bottom or release prevention t	concrete Frame elevated parrier? yes			
Insulation type (mark if none) Coils - describe (mark if none)	Foam 2" Pipe over-temperature cont	rol is functional (tested).		
Notes on repair or modification history No detectable thinning. Limited test an Condition poor because in helps with drying.	eas, due to insulation. sulation is holding moisture. Howev			 The Contract of the Baseline Science, 2015.
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign date 2009 Drew Frye 10/6/2009 2009 Drew Frye 10/6/2009 exempt 10/6/2009 10/6/2009		3rd sign 2019 0 exempt	date 4th 2024 0 exempt

						Atlach dra	wings if avail	able	
Tank Data Sheet		Facility	Plant City,	FL.]			
Date Completed	8/29/2007	By Tom Bur	deshaw]					
Tank Identification	T # 30KV								
Date of Construction	[1990]		Date of Ins	stallation	May-89	(not used	in calculation	s)	
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.25 0.25 0.25	Annular r	ing (if applica	able)	па]			
Code (mark)		UL 142							
Nominal Capacity (mark units) Normal Contents (mark)	Gal 30, Used oil RI	000 gal. FO Fuel	H2O	[]			
Dimentions (Height/Dia), ft. Orientation	36 ve	12 rt.							
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevention barr	gro	lid und no]					
Insulation type (mark if none) Coils - describe (mark if none)				1	1				
Notes on repair or modification history						1			
		VAng			· · · · · · · ·				
Formal external inspection Shell thickness testing Internal inspection, floor& shell		n date Frye 10/6/200 Frye 10/6/200		1	date	3rd 2019 2024 2013		date	4th 2024 #DIV/0! 2014
The below aplies to API 650, API 12F, a Double Treq for UL 142 tanks		e lds not corro	ded) tanks.						
Roof									
2024 0. 2030 0.	.23 177 158 ((last test) 0.25 0.23).177).158	time int 19 15 6 6	0.0011 0.0035 0.0031	0.05	Treq min 0.09 0.09 0.09 0.09	6 6	Min Int 15 15 15 15	5 2030 5 2036
2010 0 2013 0.1	Tmin .16 .13 115 114	(last test) 0.25 0.16 0.13 0.14	15 5 3 1	0.0060 0.0060 0.0060	Treq cal 0,1 0,1 0,1 0,1	0.1 0.1 0.1 0.1	3 1 0	Min Int 20 20 20 20) 2013) 2014
2024 0 2024 0	245	(last test) 0.25 0.245 0.11 0.11	19 15 0 #DIV/0!	0.0003	Treq cal 0.0661 0.0661 0.0661 0.0661	(0.05 if lined) Treq min 0.1 0.1 0.1 0.1	Calc Intrv: N 138 0 #DIV/0!	15 15 15	2024

		•			Attach drav	vings if availab	le		
Tank Data Sheet	Facility	Plant City,	FL.						
Date Completed	8/29/2007 By Tom Burg	eshaw							
Tank Identification	T # 552								
Date of Construction	Unknown	Date of Ins	tallation	Jul-89	(not used in	n calculations)			
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.250" 0.375" Annular ri 0.375"] ng (if applica	ble)	na	Reference of the second se				
Code (mark)	API 650]							
Nominal Capacity (mark units) Normal Contents (mark)	Gal 500,000 RFO	1							
Dimentions (Height/Dia), ft. Orientation	34' 50' vert.								
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release preventi	concrete solid ground on barrier? yes								
Insulation type (mark if none) Coils - describe (mark if none)	none none			1		· · · · · ·			
Notes on repair or modification his	tory								
a an					· · ·	a - darmegrandra andraan			
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign date 1996 Inspections by outside 2012 Inspections by outside 2012 Inspections by outside	2016	sign Inspections	date s by outside	3rd 2007 #VALUE! #VALUE!	sign Inspections by	date outside		sign
The below aplies to API 650, AP Double Treq for UL 143	i 12F, and UL 142 (only if welds a 2 tanks if welds are affected.	not corrode	d) tanks.						
Roof									
Year Tmin (this test)	Tmin (last test)	time int	Corr rate	-	-	Calc Intrve Mir		Year of next te	st
2007 0.15		#VALUE!		0.05		#VALUE!		#VALUE!	
#VALUE! 0.14 #VALUE! 0.13		#VALUE! #VALUE!		0.05 0.05		#VALUE! #VALUE!		#VALUE! #VALUE!	
#VALUE! 0.12		#VALUE!		0.05		#VALUE!		#VALUE!	
Floor Year Tmin (this test) 2007 0.15	Tmin (last test) 0.375"	#VALUE!			-	Calc Intrva Mir		Year of next te	st
2007 0.15 #VALUE! 0.149		#VALUE!		0.1 0.1		#VALUE! #VALUE!		#VALUE! #VALUE!	
#VALUE! 0.13 #VALUE! 0.12	0.149	#VALUE! #VALUE!	#VALUE!	0.1 0.1	0.1	#VALUE! #VALUE!	20	#VALUE! #VALUE! #VALUE!	
Shell									
Year Tmin (this test)	Tmin (last test)					Calc Intrve Mir		Year of next te	st
2007 0.18				#VALUE!				#VALUE!	
#VALUE! 0.17 #VALUE! 0.16				#VALUE!				#VALUE!	
#VALUE! 0.15				#VALUE! #VALUE!				#VALUE! #VALUE!	

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						Attach dra	wings if ava	ilable	
Tank Data Sheet		Facility	Plant City	FL.]			
Date Completed	8/29/2007 B	y Tom Burde	shaw						
Tank Identification	T # 630								
Date of Construction	Sep-99		Date of In	stallation	Sep-99](not used	in calculatio	ns)	
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.250" 0.375" 0.375"	Annular ring] g (if applical	ole)	па				
Code (mark)	API 650]						
Nominal Capacity (mark units) Normal Contents (mark)	Gal 630,000 Used oil	Fuel	Distilate	oily water	·]			
Dimentions (Height/Dia), ft. Orientation	37' 54' vert.]							
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release preven	concrete elevated solid ground tion barrier?] pad yes]					
Insulation type (mark if none) Coils - describe (mark if none)	none			I		· · · · · · · · · · · · · · · · · · ·			
Notes on repair or modification h	istory								
	- 								
Formal external inspection Shell thickness testing Internal inspection, floor& shell		date s by outside s by outside s by outside	2nd 2014 2014 2029	1	date	3rd 2019 #VALUE! #VALUE!	sign	date	4th sig 2024 #VALUE! #VALUE!
The below aplies to API 650, A Double Treq for UL 1	PI 12F, and UL 142 (onl 42 tanks if welds are affe		ot corroded) tanks.					
Year Tmin (this test) 2007 0. #VALUE! 0. #VALUE! 0. #VALUE! 0.	14 0.15 13 0.14	- -	#VALUE! #VALUE!	Corr rate #VALUE! #VALUE! #VALUE! #VALUE!	Treq cal 0.05 0.05 0.05 0.05	0.09 0.09 0.09	Calc Intrva #VALUE! #VALUE! #VALUE! #VALUE!	15 15 15	Year of next test #VALUE! #VALUE! #VALUE! #VALUE!
Year Tmin (this test) 2007 0. #VALUE! 0.1 #VALUE! 0. #VALUE! 0.	19 0.15 13 0.149		#VALUE! #VALUE!	Corr rate #VALUE! #VALUE! #VALUE! #VALUE!	Treq cal 0.1 0.1 0.1 0.1	0.1 0.1 0.1	#VALUE! #VALUE! #VALUE! #VALUE!	20 20 20	Year of next test #VALUE! #VALUE! #VALUE! #VALUE!
Year Tmin (this test) 2007 0. #VALUE! 0. #VALUE! 0. #VALUE! 0.	7 0.18 6 0.17	·	#VALUE! #VALUE!	#VALUE! #VALUE! #VALUE!	Treq cal #VALUE! #VALUE! #VALUE! #VALUE!	Treq min #VALUE! #VALUE! #VALUE!	Calc Intrva #VALUE! #VALUE! #VALUE!	15 15 15	Year of next test #VALUE! #VALUE! #VALUE! #VALUE! #VALUE!

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			Attach drawings if available	
Tank Data Sheet	F	Facility Plant City, FL.		
Date Completed	8/29/2007 By T	fom Burdeshaw		
Tank Identification	T # C-1			
Date of Construction	6-Mar	Date of Installation	Mar-06 (not used in calculations)	
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.250" 0.250" 0.250" A	Annular ring (if applicable)	na	
Code (mark)	API 650			
Nominal Capacity (mark units) Normal Contents (mark)	Gal 30,000 Used oil RFO	Fuei H2O		
Dimentions (Height/Dia), ft. Orientation	31' 12.' vert.			
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevention b	concrete solid elevated pa 4 legs	ves		
Insulation type (mark if none) Coils - describe (mark if none)	noné none			
Notes on repair or modification history 2009 - like new in all regards				
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and a subsection of the second sec				
	<i>f</i> //f			
Formal external inspection Shell thickness testing	1st Sigh 2009 Drew Frye	#VALUE!	2019 #VALUE! #VAI	
Internal inspection, floor& shell	2009		-16566 -1	9661
The below aplies to API 650, API 12F Double Treq for UL 142 tan		not corroded) tanks.		
Roof				
Year Tmin (this test) 2009 0	Tmin (last te .23 0.250"	est) time int Corr ra ~37138 #VALU	te Treqical Treqimin Calcintrv:MiniInt Year E! 0.05 0.09 #VALUE! 15 #VAL	
	.23 0.250 177 0.23	#VALUE! #VALU		
	158 0.177	#VALUE! #VALU		
	0.158	#VALUE! #VALU		
Floor				
Year Tmin (this test)	Tmin (last te	•	te Treq cal Treq min Calc Intrv: Min Int Year	
	.16 0.25	-37142 0.00		0376
	.13 0.16 115 0.13	-12381 0.00 -6190 0.00		6566 9661

~19661 0.114 0.14 -3095 0.0000 0.1 0.1 -833 20 -20494 (0.05 if fined) Shell Corr rate Treg cal Treg min Calc Intrv: Min Int Year of ne; -37138 #VALUE! #VALUE! 0.1 #VALUE! 15 #VALUE! Year Tmin (this test) Tmin (last test) 0.1 #VALUE! 0.1 #VALUE! 15 #VALUE! 15 #VALUE! 2009 0.29 0.250" #VALUE! 0.11 0.29 #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! 0.11 15 #VALUE! 0.11 #VALUE! #VALUE! #VALUE! 0.1 #VALUE! 0.11 0.11 #VALUE! #VALUE! #VALUE! 0.1 #VALUE! 15 #VALUE!

						Attach drav	vings if availa	able		
Tank Data Sheet		Facility F	Plant City, I	FL.						
Date Completed	[8/29/2007] By	Tom Burdes	haw							
Tank Identification	T # C-2									
Date of Construction	6-Mar	C	Date of Inst	allation	6-Mar	(not used ir	n calculations	5)		
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.250" 0.250" 0.250"	Annular ring	(if applicat	ole)	na					
Code (mark)	API 650									
Nominal Capacity (mark units) Normal Contents (mark)	Gal 30,000 Used oil RFO	Fuel	H2O	Solids						
Dimentions (Height/Dia), ft. Orientation	31' 12' vert.									
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prever	concrete solid elevated 4 legs	bads yes								
 Insulation type (mark if none) Coils - describe (mark if none)	none				I					
Notes on repair or modification h	istory									
2009 - like new in all regards								11779, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1870, 1	an 1962 i S. N	
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 2009	19/6/2009	nd 2014 #VALUE! -10376	sign	date	3rd 2019 #VALUE! -16566	sign	date	4th 2024 #VALUE! -19661	sign
The below aplies to API 650, A Double Tree for UL 1	PI 12F, and UL 142 (or 42 tanks if welds are aff		ot corrode	ed) tanks.						
Roof										
Year Tmin (this test) 2009 0.23 #VALUE! 0.175 #VALUE! 0.141	2 0.23 3 0.177	, #		#VALUE! #VALUE! #VALUE!	Treq cal 0.05 0.05 0.05 0.05 0.05	0.09 0.09 0,09	Calc Intrv: N #VALUE! #VALUE! #VALUE! #VALUE!	15 15 15	Year of next #VALUE! #VALUE! #VALUE! #VALUE!	test
	0.100				0.00	0.00		.0		

Floor									
Year T	min (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrv: Min	Int	Year of next test
2005	0.16	0.25	-37142	0.0000	0.1	0.1	-12381	20	-10376
-10376	0.13	0.16	-12381	0.0000	0.1	0.1	-6190	20	-16566
~16566	0.115	0.13	-6190	0.0000	0.1	0.1	-3095	20	-19661
-19661	0.114	0.14	-3095	0.0000	0.1	0.1	-833	20	-20494
						(0.05 if lined))		
Sheil									
Year T	min (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrv: Min	Int	Year of next test
2009	0,29	0.250"	-37138	#VALUE!	#VALUE!	0.1	#VALUE!	15	#VALUE!
#VALUE!	0.11	0.29	#VALUE!	#VALUE!	#VALUE!	0.1	#VALUE!	15	#VALUE!
#VALUE!	0.11	0.11	#VALUE!	#VALUE!	#VALUE!	0.1	#VALUE!	15	#VALUE!
#VALUE!	0.11	0.11	#VALUE!	#VALUE!	#VALUE!	0.1	#VALUE!	15	#VALUE!

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						Atlach drawi	ngs if avail	able	
Tank Data Sheet		Facility	Plant City, FL]			
Date Completed	8/29/2007 By	Tom Burd	leshaw						
Tank Identification	T # C-3]							
Date of Construction	6-Mar		Date of Instal	llation	6-Ma](not used in a	calculation	s)	
Material Thickness lowest course/shell (original, in floor center) roof/head	CS 0.250" 0.250" 0.250"	Annular ri] ng (if applicable	9)	na]			
Code (mark)	API 650]						
Nominal Capacity (mark units) Normal Contents (mark)	Gal 30,000 Used oil RFO	Fuel	 H2O	Solids	1]			
Dimentions (Height/Dia), fl. Orientation	31' 12' vert.]							
Foundation type (mark) If concrete, mark ring or solid elevated or gound contact Double bottom or release prevention	concrete solid elevated p 4 legs barrier?] pads yes							
Insulation type (mark if none) Coils - describe (mark if none)	none none					· · · · · · · · · · · · · · · · · · ·			
Notes on repair or modification histo 2009 - like new in all regards	<u>у</u>								
Formal external inspection Shell thickness testing Internal inspection, floor& shell	1st sign 2009 Drew Frye 2009 2009	dats 10/6/2009	2nd 2014 #VALUEI -10376	sign	date	3rd 2019 #VALUE! -16566	sign	date	4th 2024 #VALUE! -19661

The below aplies to API 650, API 12F, and UL 142 (only if welds not corroded) tanks. Double Treq for UL 142 tanks if welds are affected.

Roof				<u> </u>					
	nin (this test)	Tmin (last test)	time int	Corr rate	Treq cal				Year of ne:
2009	0.23	0.250"	-37138	#VALUE!	0.05	0.09	#VALUE!	15	#VALUE!
#VALUE!	0.177	0.23	#VALUE!	#VALUE!	0.05	0.09	#VALUE!	15	#VALUE!
#VALUE!	0.158	0.177	#VALUE!	#VALUE!	0.05	0.09	#VALUE!	15	#VALUE!
#VALUE!	0.141	0.158	#VALUE!	#VALUE!	0.05	0.09	#VALUE!	15	#VALUE!
Floor									
Year Tr	nin (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrve Min Int		Year of ne:
2005	0.16	0,25	-37142	0.0000	0.1	0.1	-12381	20	-10376
-10376	0.13	0.16	-12381	0.0000	0.1	0.1	-6190	20	-16566
-16566	0.115	0.13	-6190	0.0000	0.1	0.1	-3095	20	-19661
-19661	0.114	0.14	-3095	0.0000	0.1	0.1	-833	20	-20494
						(0.05 if lined))		
Shell									
Year Tr	nin (this test)	Tmin (last test)		Corr rate	Treq cal	Treq min	Calc Intrva Min Int		Year of ne:
2009	0.29	0.250"	-37138	#VALUE!	#VALUE!	0,1	#VALUE!	15	#VALUE!
#VALUE!	0.11	0.29	#VALUE!	#VALUE!	#VALUE!	0.1	#VALUE!	15	#VALUE!
#VALUE!	0.11	0.11	#VALUE!	#VALUE!	#VALUE!	0.1	#VALUE!	15	#VALUE!
#VALUE!	0.11	0.11	#VALUE!	#VALUE!	#VALUE!	0.1	#VALUE!	15	#VALUE!

Tank Integrity Testing Program FCC Environmental Attach drawings if available Tank Data Sheet Plant City, FL Facility 8/29/2007 Date Completed By Tom Burdeshaw Tank Identification SKE Date of Construction 1970 assume Date of Installation Jui-87 (not used in calculations) Material CS Thickness lowest course/shell 0.25 (original, in.) floor center) 0.25 Annular ring (if applicable) na roof/head 0.1875 (new roof in 2006) Code (mark) API 650 Nominal Capacity (mark units) Gal 44,650 Normal Contents (mark) Oily water Dimentions (Height/Dia), ft. 20 19 Orientation vert. Foundation type (mark) concrete If concrete, mark ring or solid solid elevated or ground contact ground Double bottom or release prevention barrier? no Insulation type (mark if none) none Formerly foam with serious corrosion under. Coils - describe (mark if none) none Notes on repair or modification history July 2006 - new roof and wind girder installed (top of shell trimmed during girder replacement). Tank is unsuitable for any hazardous materials Aug 2006 - new 0.125" patch plates at south axis near top of shell and at stair connection. T required = (2.6)(18)(20)/(16,520) = 0.057" therefore 0.10" minimum by API 653 May 2013. New holes visible near the rim. Limited UT test indicates no real change in general thicknesses. Not at risk of colapse but not suitable for service re. API 653. sign date 2013 Drew Frye sign date date 2nd 3rd sign 4th sign Formal external inspection 2009 Carol Jones 1/7/2009 5/8/2013 2018 2023 Shell thickness testing 2009 Carol Jones 1/7/2009 2013 Drew Frye 5/8/2013 2014 2014 2009 Internal inspection, floor& shell 2017 2023 2025 The below aplies to API 650, API 12F, and UL 142 (only if welds not corroded) tanks. Double Treq for UL 142 tanks if welds are affected. Roof Year Tmin (this test) Tmin (last test) time int Corr rate Treq cal Treq min Calc Intrval Min Int Year of next test 2009 0.182 0.1875 2.5 0.0022 0.05 0.09 10 15 2011 0.177 2011 0.182 2 0.0025 0.05 0.09 9 15 2020 2020 0.158 0.0022 0.177 9 0.05 0.09 8 15 2027 2027 0.141 0.158 8 0.0022 0.05 0.09 6 15 2033 Floor Year Tmin (this test) Tmin (last test) Corr rate Treg cal Treg min Calc Intrval Min Int Year of next test 2005 0.16 0.25 35 0.0026 0.1 0.1 12 20 2017 2017 0.16 12 0.0026 6 0.13 0.1 0.1 20 2023 2023 0.115 0.13 6 0.0026 0.1 0.1 3 20 2025 2025 0.114 0.14 3 0.0089 0.1 0.1 1 20 2026 (0.05 if lined) Shell Year Tmin (this test) Tmin (last test) Treq cal Treq min Calc Intrval Min Int Corr rate Year of next test

2009 0.11 0.25 39 0.0036 0.0567 0.1 15 2010 1 2013 0.105 0.0013 0.11 4 0.0567 0.1 15 2014 1 2014 0.11 0.105 -0.0050 0.0567 0.1 0 15 2014 1 #DIV/0! 2014 0.110.11 -1 0.0000 0.0567 0.1 #DIV/0! 15

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s use. Water only.

date

(new roof installed in July 2006 = 2.5 years. Set next interval to 2 years to get a more accurate corrosion rate for first 5 years of new roof, especially near fill and v

/ent areas.)

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Atmospheric Tower1stsigndate*2013Drew Frye5/8/202nd20281	Skirt thickr 13 Shell thick		0.42" Variable, 0.62-0.63" in all areas except in the Because of the age and the original design pr- engieering structural evaluation ur
Height 50' Dia. 4' Build date pre 1975	Nominal thickness in.	0.625 0.425	
Vacuum Tower 1st sign date 2013 Drew Frye 5/8/20 2nd 2028	₩ 3 	Because of	f insulation, detailed UT inspection not practice Reinspection recommended in 15 years, base
Height 50' Dia. 4' Build date pre 1975	Nominal thickness in.		body skirt

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area just past (within 30") of the tangentital entry, where it is 0.50-0.52" essure rating > 250 psi and safety valve setting (2 psi) this unit will not require itil the thickness reaches 0.25". Reinspection recommended in 15 years, bases up[on API practice.

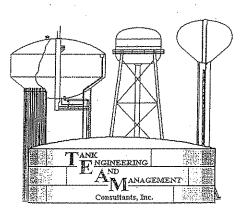
I or needed, based upon inspection of atmospheric tower. s up[on API practice.

ABOVEGROUND TANK INSPECTION REPORT

FCC ENVIRONMENTAL PLANT CITY, FL

TANK 630 54'-0" DIAMETER x 37'-0" HIGH FBCR 15,000 BBL

NOVEMBER 2009



PO BOX 889 & 4000 STATE ROAD 60 EAST MULBERRY, FLORIDA 33860 (863) 354-9010 & (863) 648-4988 Fax

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ANAGEMENT		
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 Consultants, Inc.		

ABOVEGROUND STORAGE TANK OUT-OF-SERVICE INSPECTION REPORT

NOVEMBER 2009

TANK 630 54' DIAMETER x 37' HIGH - 15,000 BBL's PLANT CITY FACILITY PLANT CITY, FLORIDA

PREPARED FOR:

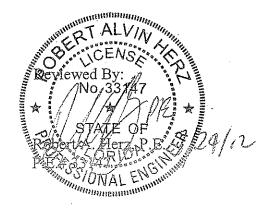
FCC ENVIRONMENTAL

PRESENTED BY:

TANK ENGINEERING AND MANAGEMENT CONSULTANTS, INC. PO Box 889 Mulberry, Florida 33860

By:

Christopher L. Moore API-653 Certified Inspector #33610



P.O. Box 889 • Mulberry, Florida 33860-0889 • (863) 354-9010 • Fax (863) 648-4988 www.tankteam.com 日本の

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Tank 630

EXECUTIVE SUMMARY

RE: API-653 OUT -OF-SERVICE INSPECTION REPORT

Tank 630 - 54^{,ø} x 37' - FBCR – 15,000 BBL's Plant City Facility, Plant City, Florida TEAM Project No: 09-1062

An Interior Out-of-Service inspection was performed on the above referenced tank by *Tank Engineering And Management Consultants, Inc.* (TEAM), on November 23, 2009. The purpose of the inspection was to determine the condition of the tank in reference to:

a. Suitability for service per API-653 Standards.

b. Conformance with Florida's Department of Environmental Protection Rule 62-762.

This inspection was performed to meet the requirements of Florida Department of Environmental Protection (FDEP) Rule 62-762 and was performed in accordance with American Petroleum Institute (API) Standard 653. TEAM performed an engineering evaluation according to the API-653 requirements.

This inspection was performed by Christopher L. Moore, API-653 Certified Aboveground Tank Inspector. This report was reviewed by Robert A. Herz, P. E.

Tank 630 is used to store used oil, and was found to be in good overall condition. Minor corrosion found on the chime, isolated areas of the roof and stairs. These areas should be repaired in the near future to prevent further corrosion. At this time this tank complies with API-653 requirements.

Tank 630 is defined as a "Category- C Tank System", per FDEP 62-762.201(4). FDEP Rule 62-762.511 provides standards for Category-C storage tank systems in accordance with Rule 62-762.501, F.A.C. with respect to:

• Exterior Coating 62-762.501(1)(b): Exterior portions of aboveground tanks and aboveground integral piping, excluding double-walled systems, shall be coated or otherwise protected from external corrosion. The coating shall be designed and applied to resist corrosion, deterioration, and degradation of the exterior wall. SSPC-PA 1, Paint Application Specification No. 1 may be used to protect storage tank systems from external corrosion.

At the time of this inspection, the exterior of this tank was found to be in overall good condition.

• Secondary Containment 62-762.511Table AST T (1) - By January 1, 2000: With the exception of siting and material construction standards, Category-A and Category-B systems shall meet the performance standards of Rule 62-762.501, F.A.C.

TEAM Consultants

Tank 630

62-762.501(2)(c) 1, 2 - Secondary containment:

- 1. All tanks installed or constructed at a facility after July 13, 1998, shall have secondary containment beneath the tank and within the dike field area...
- 2. Release prevention barriers such as double-bottoms, liners, or other under-tank secondary containment systems for field-erected tanks shall be designed and constructed in accordance with API Standard 650.

This tank is equipped with a steel secondary containment tank. The secondary containment is sized to hold at least 110% of the primary tank volume.

Cathodic Protection 62-762.511Table AST T (1)(a) - By January 1, 2000: Storage tank system construction standards that include cathodic protection remain applicable; and FDEP 62-761.501(2)(b)(4): Steel tanks in contact with soil shall have a cathodic protection system...

The tank rests on a concrete slab. Therefore, cathodic protection is not required.

• Overfill Protection 62-762.501(2)(d)(2) - Overfill protection shall be performed in accordance with API RP 2350 and FDEP 62-762.501 section (2)(d)(4). Which states all tanks must have at least on overflow safety feature.

This tank is equipped with a high level alarm. Therefore, this tank meets the requirements for overfill protection as required by FDEP 62-762.501(2)(d) 4 a & b.

• Release Detection 62-762.611(1)(a): Category-A and Category-B systems. Release detection methods shall be one of the methods specified in this section, and shall meet the performance standards contained in Rule 62-762.641, F.A.C.

The primary tank rests within a steel Secondary Containment Tank. Any release from the Primary Tank would be visible inside the Secondary Containment Tank.

ANTICIPATED INSPECTION CYCLE

This tank was found suitable for current service. As required by API-653, an In-Service inspection is Due in the fourth quarter of 2014 and an Out-of-Service (Internal) inspection is due in the fourth quarter of 2029.

CONCLUSION

This tank meets the requirements of API-653 "Suitability for Service" and State of Florida Department of Environmental Protection Rule 62-762.

Tank 630

INSPECTION METHODOLOGY AND PROCEDURES

DEFINITIONS

Throughout this report, certain subjective terms will be used to describe the condition of various items. These terms are typically meant to imply the following definitions:

- Good Currently in nearly new condition. Minor defects may be present, but do not present a hindrance to the operation of the item.
- Fair Slightly less than ideal condition. This item has not failed, but is in a state of degradation that will likely result in failure in the near future.

Poor – The item has failed, or is near failure.

The tank inspection consisted of two parts:

1) Field Inspection

2) Engineering Evaluation

FIELD INSPECTION

The field inspection was performed in general accordance with API Standard 653, (Second Edition, December 1995, Addendum 4, December, 1999) entitled "Tank Inspection, Repair, Alteration, and Reconstruction", and TEAM Out-of-Service, Aboveground Storage Tank Inspection Procedure, Revision (1) dated August, 2003.

INSPECTION PERSONNEL

The field inspection was performed by Christopher L. Moore, Certified API-653 #33610, Aboveground Tank Inspector.

INSPECTION PROCEDURES AND EQUIPMENT

The inspection procedures follow the recommendations of API-653 as required, including:

- 1. Tank layout and physical measurements.
- 2. Visual inspection of the Roof, Shell, Bottom, Structural and Accessories.
- 3. A visual inspection of the site and the tank exterior surface was performed, checking for: proper drainage, leaks, shell distortions, signs of settlement, corrosion, and condition of the foundation, coatings, accessories, and appurtenances.
- 4. Ultrasonic Thickness Measurements (UTM's) were taken on the nozzles, shell, and roof. UTM's were taken with a Panametrics 26DL Plus instrument operating on a dual transducer, "pulse echo" technique with "coating eliminator" software. The instrument calibration was verified before and after the testing was performed.
- 5. Color photographs were taken on the tank exterior and interior of all essential structures, appurtenances and deficiencies.
- 6. The tank bottom was scanned with an MFE Enterprises 2412MKII tank floor scanner.

09-1062

ENGINEERING EVALUATION EVALUATION STANDARDS

- 1. API Standards
- 2. Florida DEP Rule 62-762
- 3. Tank Engineering And Management Consultants, Inc., Standards

ENGINEERING PERSONNEL & QUALIFICATIONS

- 1. An evaluation of the tank structure in order to determine the suitability of continued service is performed by personnel experienced in the design and construction of Aboveground Storage Tanks.
- 2. Robert A. Herz, P.E., Florida Professional Engineer License No. 33147.

EVALUATION PROCEDURES

The engineering evaluation follows the recommendations of API-653 including:

- 1. Internal corrosion due to the product stored or water bottoms.
- 2. External corrosion due to environmental exposure.
- 3. Stress levels and allowable stress levels.
- 4. Properties of the stored product such as specific gravity, temperature, and corrosively.
- 5. Metal design temperatures at the service location of the tank.
- 6. External roof live load, wind, and seismic loading.
- 7. Tank foundation, soil and settlement conditions.
- 8. Chemical analysis and mechanical properties of the materials of construction.
- 9. Distortions of the existing tank.
- 10. Operating conditions such as filling/emptying rates and frequency.

TANK HISTORY

Tank No. 630 was built by Fisher Tank at this site in 1999. This tank is built inside of a steel secondary containment tank which measures 64'-0" diameter x 29'-0" tall. This is the first Out-of Service inspection on this tank.

STRUCTURE DESCRIPTION

The following information was furnished to us or observed:

Manufacturer:	Fisher Tank
Year Re-constructed:	1999
Capacity:	15,000 BBL Nominal
Tank Diameter:	54' -0"
Tank Height:	37'
No. Shell Courses:	5
Rim Angle:	3" x 3" x 1/4" Angle Out
Type Floor:	1/4" Lap Welded Plate
Type Fixed Roof:	Single Column Supported Cone/Lap Welded Plate

TEAM Consultants

09-1062

Tank 630

Material: Design: Specific Gravity: Product Stored: Carbon Steel API-650 – 9th Ed. 1.0 Used Oil

INSPECTION OBSERVATIONS

Tank Shell

UTM's were taken on the tank shell at five readings per plate on the bottom course and three readings per course on the upper courses. All readings are similar to the original construction.

Tank Bottom

The tank bottom was constructed with a ¹/₄" thick steel bottom. An MFE scan was performed on the bottom during this inspection and there were no indications of underside corrosion. The tank bottom appears to be in good condition.

Roof/Structural

Ultrasonic Thickness Measurements (UTM's) were taken on the roof. The original roof thickness was $\frac{1}{4}$ " (0.250") nominal. The roof plate thicknesses taken during this inspection ranged from 0.234" to 0.259" with and average reading of 0.246". It appears that the roof has suffered very little, if any, metal loss, and is in good overall condition.

Accessories

See the attached shell and roof layouts attached to this report for a schedule and locations of all attached appurtenances.

All accessories were found to be in good condition. Minor corrosion was found on the stairs and platforms. These areas should be prepared and repainted in the near future.

Foundation and Site

The Secondary Tank rests on a concrete slab foundation. The Primary Tank rests inside the Secondary Tank. An elevation survey was performed inside the Primary Tank. The results of the survey are shown on the attached chart entitled "Radial Elevations" and "Perimeter Elevations". The elevations were analyzed and found to be within the limits of API-653.

Coating Condition

The exterior coating is in good overall condition.

Tank Shell Design Analysis

According to the manufacturer's nameplate, this tank was built using A36 carbon steel. As presented in API Standard 653, an allowable stress of 23,595 pounds per square inch (psi) for tank courses 1 and 2 allowable stress of 25,960 psi for tank courses 3 through 6 and a joint efficiency of 85% (.85) was used in the following formula to calculate the minimal required shell thickness for each shell course.

$$t_{min} = (2.6)(D)(H)G$$

SE

Where:

Shell Thickness = t_{min}

Datum Height to bottom of ring Η _

Allowable Stress per API-653 (23,600 psi Course 1-2, 26,000 psi Course 3-5) S ----

Nominal Tank Diameter (54 feet) D -----

Specific Gravity (1.0) G _

Е Joint Efficiency (85%) _

The results of the tank shell design analysis are presented below.

SHELL DESIGN DATA

Shell Cours e No.	Shell course Height (inches)	Datum Height (feet) (h)	Original Plate Material	API-653 Min, Thick. (inches) (E=1.0)	Original Thickness (inches)	2007 Average Measured Thickness (inches)	2009 Average Measured Thickness (inches)
1 Btm	72	34	Unknown	0.228	¼" Nominal	0.253	0.256
2	72	28	Unknown	0.188	¼" Nominal	0.247	0.247
3	72	22 .	Unknown	0.147	¹ /4" Nominal	0.253	0.252
4	72	16	Unknown	0.107	¼" Nominal	0.248	0.250
5 Top	72.	10	Unknown	0.100	¹ /4" Nominal	0.255	0.252

*API-653 Standard requires no shell course be less than 0.100"

As presented above, this tank exceeds the API Standard 653 minimum allowable shell thickness for all courses.

Roof Analysis

Isolated coating failure is allowing corrosion to form on a few areas and should be repaired to mitigate corrosion rate. With the exception of the few areas of corrosion, this roof appears to be in good condition.

Dimensional Tolerance Analysis

No significant non-conformance's to API Construction Standards were found.

TEAM Consultants

09-1062

Brittle Fracture Analysis

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This tank has demonstrated the ability to withstand the combined effects of maximum liquid level and lowest operating temperatures without failing for at least ten (10) years. Based on the location of the tank in Central Florida, the risk of failure due to brittle fracture with continued service is minimal.

Further evaluation is required if there is a change in service, or if additional repairs/alterations are made that do not meet the requirements of API-653, or if deterioration of the tank has occurred.

Tank Settlement Analysis

Elevation readings were taken inside the tank and the readings are within the range of API-653 App B requirements. See attached elevation charts for more detail.

CONCLUSION

This tank meets the requirements of API-653 "Suitability for Service" and State of Florida Department of Environmental Protection Rule 62-762. This tank is suitable for continued service.

The next inspection required by API 653 and the FDEP is an In-Service Inspection, which must be done by the fourth quarter of 2014. API 653 and FDEP require the Owner to inspect the tank monthly. If the tank is taken out of service at any time prior to the next required Out of Service Inspection, an Out of Service Inspection must be performed at that time.

RECOMMENDATIONS

Mandatory Repairs/Renovations Required To Meet API-653 and/or FDEP Requirements:

1. None at this time.

Non-Mandatory Recommendations:

1. Mitigate corrosion on the chime, exterior roof, stairs and platforms.

We appreciate the opportunity of performing this inspection service for you. Should you have any questions regarding the information contained herein, please do not hesitate to contact us.

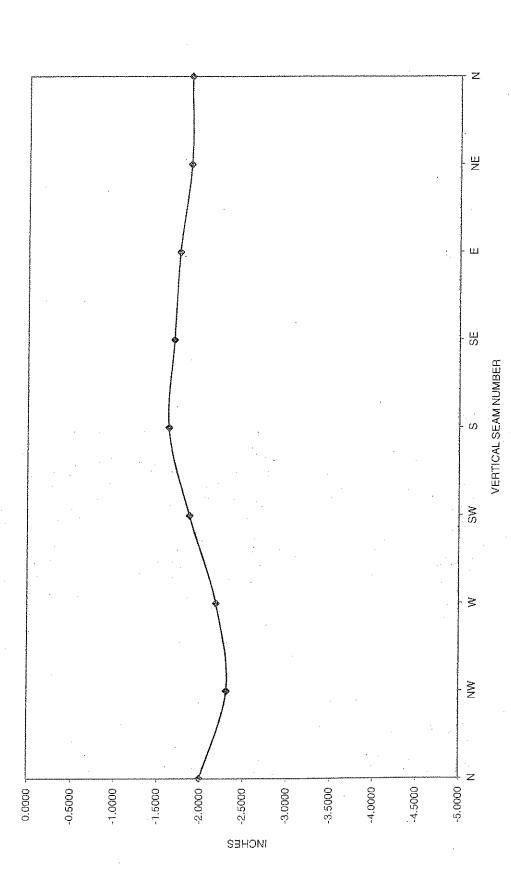
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TEAM Consultants

FCC ENVIRONMENTAL PLANT CITY, FL TANK 630

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PERIMETER ELEVATIONS

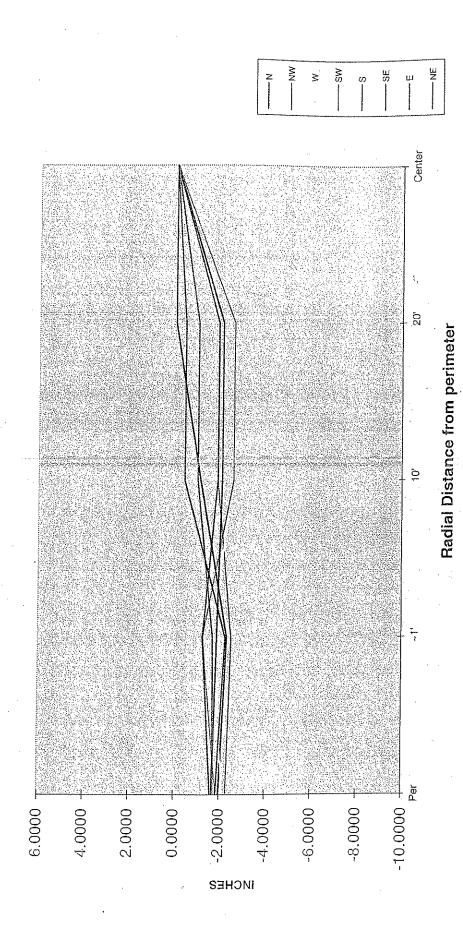


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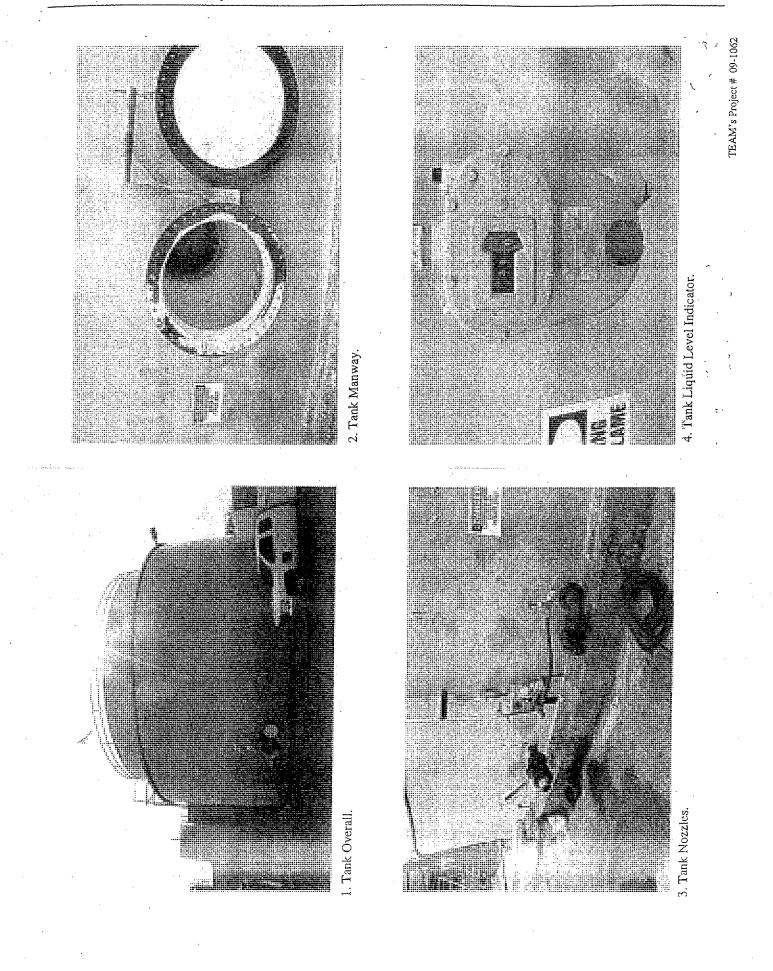
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FCC ENVIRONMENTAL PLANT CITY, FL TANK 630

RADIAL ELEVATION DIFERENTIALS



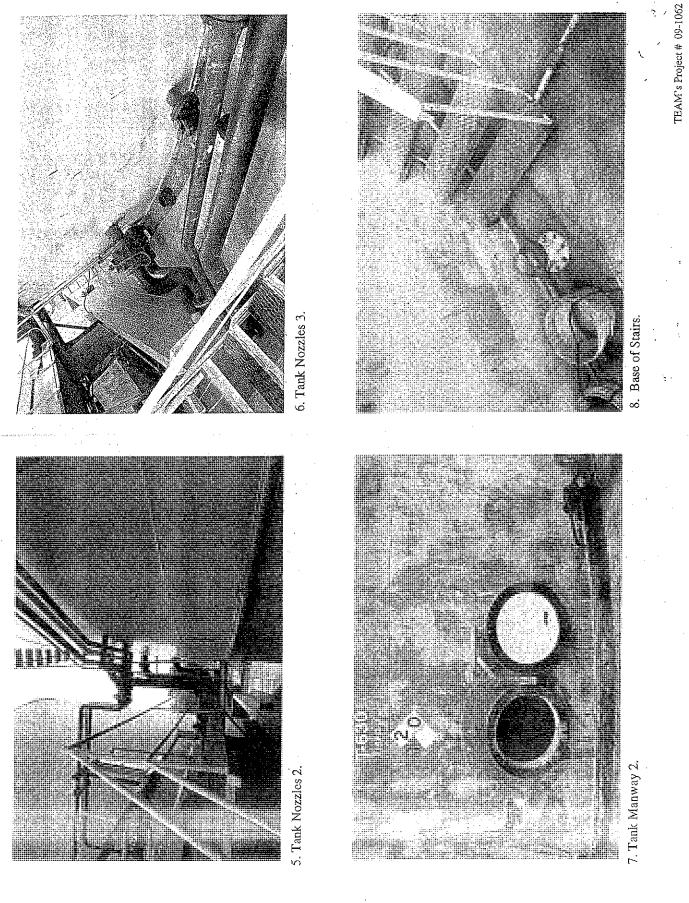
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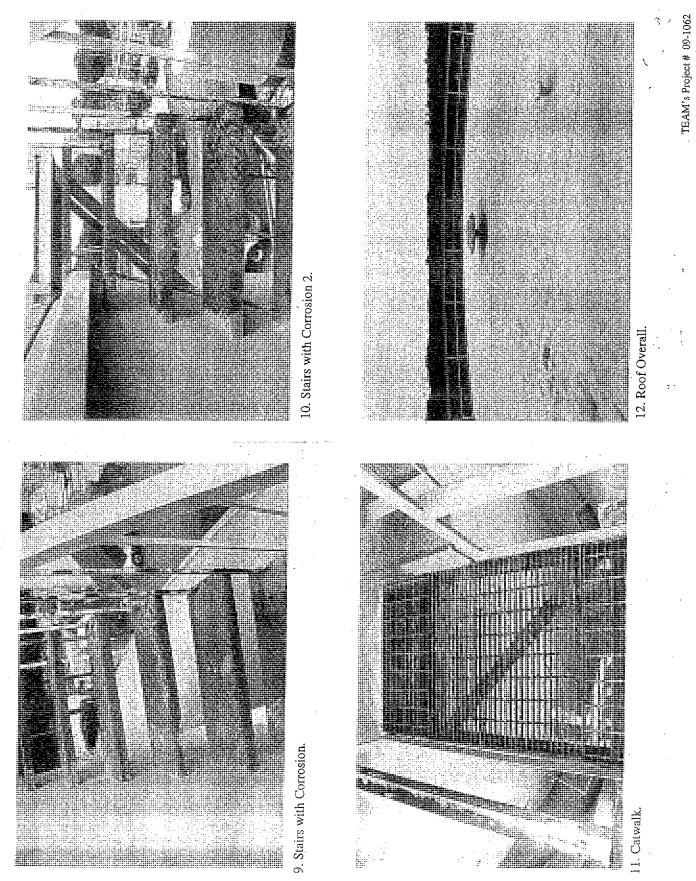
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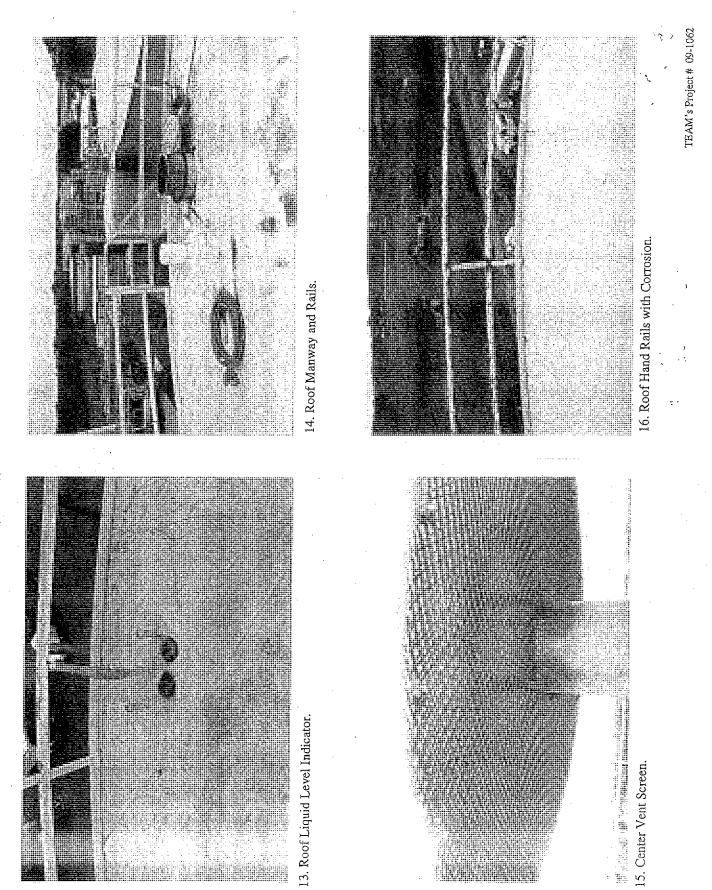
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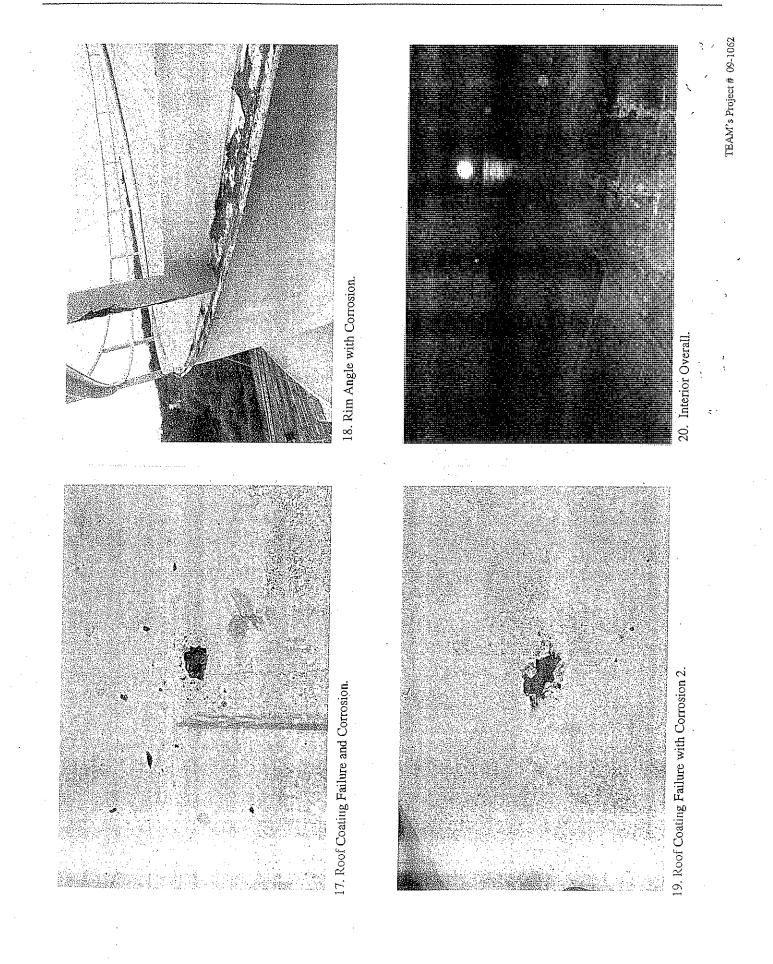
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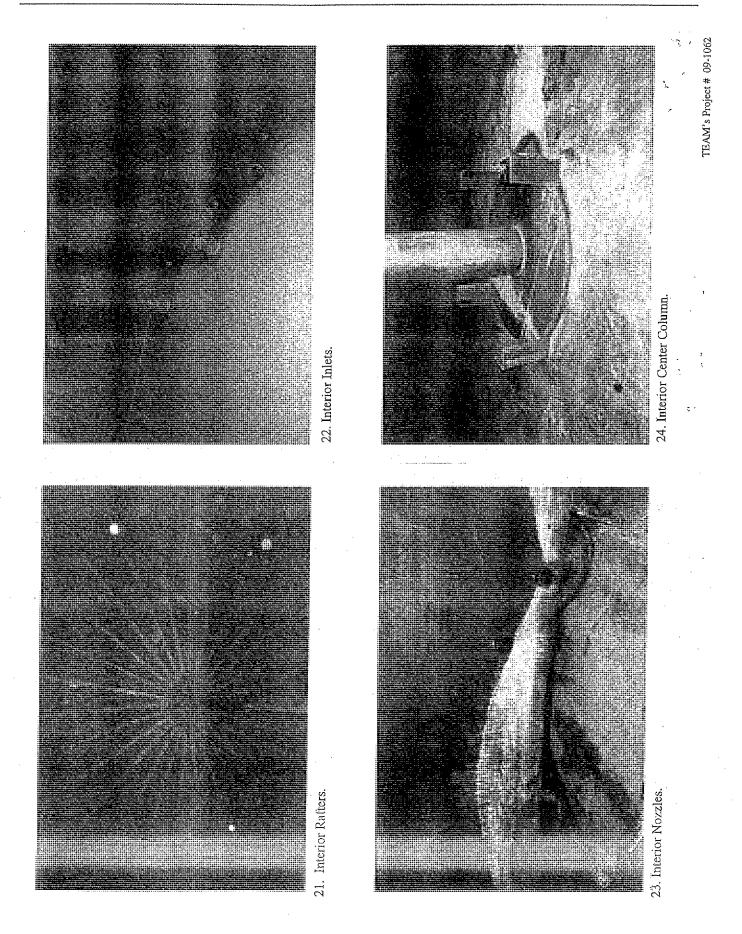
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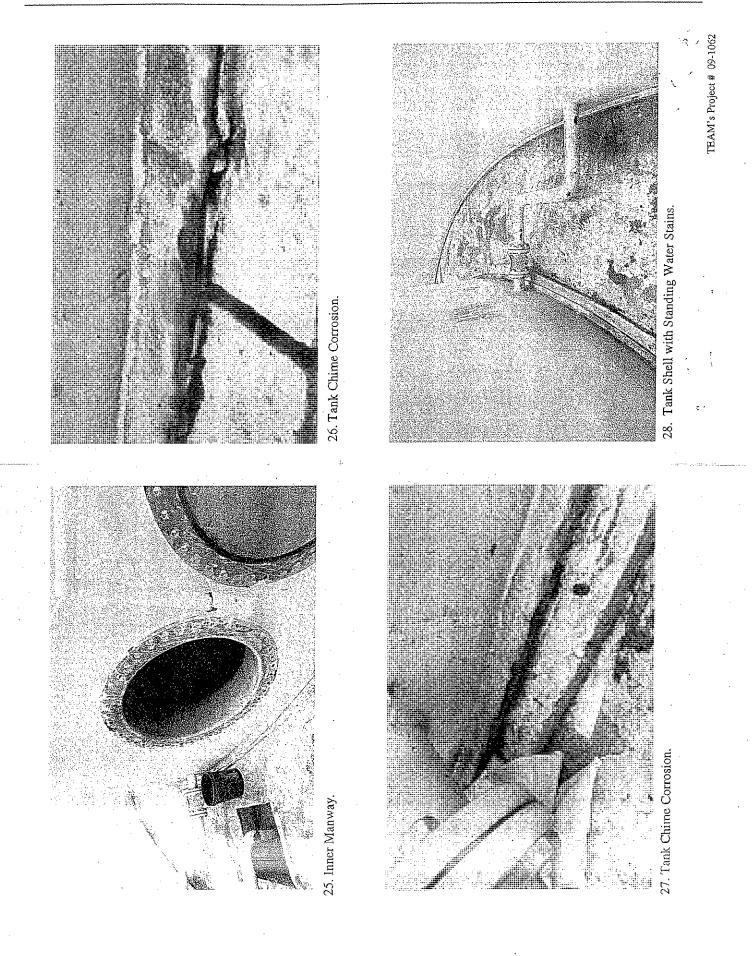
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ABOVEGROUND TANK INSPECTION REPORT

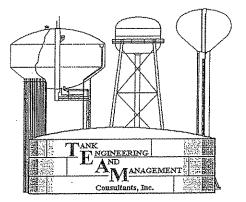
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FCC ENVIRONMENTAL PLANT CITY, FL

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TANK 552 50'-0" DIAMETER x 34'-0" HIGH FBCR 12,000 BBL'S

JULY 2012



PO BOX 889 \$ 4000 STATE ROAD 60 EAST MULBERRY, FLORIDA 33860 (863) 354-9010 \$ (863) 648-4988 Fax

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ABOVEGROUND STORAGE TANK IN-SERVICE INSPECTION REPORT

JULY 2012

TANK 552 50'-0" DIAMETER x 34'-0" HIGH - 12,000 BBL's PLANT CITY FACILITY

PREPARED FOR:

FCC ENVIRONMENTAL Plant City, FL

PRESENTED BY:

TANK ENGINEERING AND MANAGEMENT CONSULTANTS, INC. PO Box 889 Mulberry, Florida 33860 Phone (863) 354-9010 Fax (863) 648-4988

By:

Christopher L. Moore API Certification No. 33610

Designed to

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Reviewed By C.ENS
Victor G. Garaycochea P E
P.E. No. 71208

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P.O. Box 889 • Mulberry, Florida 33860-0889 • (863) 354-9010 • Fax (863) 648-4988 www.tankteam.com FCC Environmental – Plant City, Florida API-653, In-Service Inspection Report

Tank 552

July 2012 Page 1

EXECUTIVE SUMMARY

RE: API-653 IN-SERVICE INSPECTION REPORT Tank 552 - 50^{'0} x 34' - FBCR – 12,000 BBL's Plant City Facility, Plant City, Florida TEAM Project No: 12-0792

An external In-Service inspection was performed on the above referenced tank by *Tank Engineering And Management Consultants, Inc.* (TEAM), on July 19th, 2012. The purpose of the inspection was to determine the condition of the tank in reference to:

a. Suitability for service per API-653 Standards.

b. Conformance with Florida's Department of Environmental Protection Rule 62-762.

This inspection was performed to meet the requirements of Florida Department of Environmental Protection (FDEP) Rule 62-762 and was performed in accordance with American Petroleum Institute (API) Standard 653. TEAM performed an engineering evaluation according to the API-653 requirements.

This inspection was performed by Christopher L. Moore, API-653 Certified Aboveground Tank Inspector. This report was reviewed by Victor G. Garaycochea, P. E.

Tank 552 is used to store #5 fuel oil, and was found to be in good overall condition. Corrosion was found on the rim angle of the tank. This corrosion should be mitigated to prevent further metal loss. The roof coating is in poor condition and should be recoated. The roof should be recoated in the next three to five years. At this time this tank complies with API-653 requirements.

Tank 552 is defined as a "Category- A Tank System", per FDEP 62-762.201(4). FDEP Rule 62-762.511 provides deadlines for Category-A and Category-B storage tank systems to meet the standards for Category-C storage tank systems in accordance with Rule 62-762.501, F.A.C. with respect to:

• Exterior Coating 62-762.501(1)(b): Exterior portions of aboveground tanks and aboveground integral piping, excluding double-walled systems, shall be coated or otherwise protected from external corrosion. The coating shall be designed and applied to resist corrosion, deterioration, and degradation of the exterior wall. SSPC-PA 1, Paint Application Specification No. 1 may be used to protect storage tank systems from external corrosion.

At the time of this inspection, the exterior of this tank was found to be in overall fair condition. The roof coating is in poor condition.

12-0792

FCC Environmental – Plant City, Florida		July 2012
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API-653, In-Service Inspection Report	Tank 552	Page 2

Secondary Containment 62-762.511 Table AST T (1) - By January 1, 2000: With the exception of siting and material construction standards, Category-A and Category-B systems shall meet the performance standards of Rule 62-762.501, F.A.C.

62-762.501(2)(c) 1, 2 - Secondary containment:

- 1. All tanks installed or constructed at a facility after July 13, 1998, shall have secondary containment beneath the tank and within the dike field area...
- 2. Release prevention barriers such as double-bottoms, liners, or other under-tank secondary containment systems for field-erected tanks shall be designed and constructed in accordance with API Standard 650.

This tank is used to store high viscosity products. Therefore, the above requirements for secondary containment do not apply.

Cathodic Protection 62-762.511Table AST T (1)(a) - By January 1, 2000: Storage tank system construction standards that include cathodic protection remain applicable; and FDEP 62-761.501(2)(b)(4): Steel tanks in contact with soil shall have a cathodic protection svstem...

This tank rests on a concrete slab. Therefore, cathodic protection is not required.

Overfill Protection 62-762.501(2)(d)(2) - Overfill protection shall be performed in accordance with API RP 2350 and FDEP 62-762.501 section (2)(d)(4). Which states all tanks must have at least on overflow safety feature.

> This tank is equipped with a high level alarm. Therefore, this tank meets the requirements for overfill protection as required by FDEP 62-762.501(2)(d) 4 a & b.

Release Detection 62-762.611(1)(a): Category-A and Category-B systems. Release detection methods shall be one of the methods specified in this section, and shall meet the performance standards contained in Rule 62-762.641, F.A.C.

> This tank is used to store a high viscosity product, so release detection requirements do not apply. However, any release would be visible between the tank bottom and the concrete slab.

ANTICIPATED INSPECTION CYCLE

This tank was found suitable for current service. As required by API-653, an Out-of-Service (Internal) inspection is due by January 2016.

CONCLUSION

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This tank meets the requirements of API-653 "Suitability for Service" and State of Florida Department of Environmental Protection Rule 62-762.

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INSPECTION METHODOLOGY AND PROCEDURES

DEFINITIONS

Throughout this report, certain subjective terms will be used to describe the condition of various items. These terms are typically meant to imply the following definitions:

- Good Currently in nearly new condition. Minor defects may be present, but do not present a hindrance to the operation of the item.
- Fair Slightly less than ideal condition. This item has not failed, but is in a state of degradation that will likely result in failure in the near future.

Poor – The item has failed, or is near failure.

The tank inspection consisted of two parts:

- 1) Field Inspection
- 2) Engineering Evaluation

FIELD INSPECTION

The field inspection was performed in general accordance with API Standard 653, (Second Edition, December 1995, Addendum 4, December, 1999) entitled "Tank Inspection, Repair, Alteration, and Reconstruction", and TEAM Out-of-Service, Aboveground Storage Tank Inspection Procedure, Revision (1) dated August, 2003.

INSPECTION PERSONNEL

The field inspection was performed by Christopher L. Moore, API-653 Aboveground Tank Inspector.

INSPECTION PROCEDURES AND EQUIPMENT

The inspection procedures follow the recommendations of API-653 as required, including:

- 1. Tank layout and physical measurements.
- 2. Visual inspection of the Roof, Shell, Bottom, Structural and Accessories.
- 3. A visual inspection of the site and the tank exterior surface was performed, checking for: proper drainage, leaks, shell distortions, signs of settlement, corrosion, and condition of the foundation, coatings, accessories, and appurtenances.
- 4. Ultrasonic Thickness Measurements (UTM's) were taken on the nozzles, shell, and roof. UTM's were taken with an Olympus MG2-XT instrument operating on a dual transducer, "pulse echo" technique with "coating eliminator" software. The instrument calibration was verified before and after the testing was performed.
- 5. Color photographs were taken on the tank exterior and interior of all essential structures, appurtenances and deficiencies.

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ENGINEERING EVALUATION

EVALUATION STANDARDS

- 1. API Standards
- 2. Florida DEP Rule 62-762
- 3. Tank Engineering And Management Consultants, Inc., Standards

ENGINEERING PERSONNEL & QUALIFICATIONS

- 1. An evaluation of the tank structure in order to determine the suitability of continued service is performed by personnel experienced in the design and construction of Aboveground Storage Tanks.
- 2. Victor G. Garaycochea, P.E., Florida Professional Engineer License No. 71208.

EVALUATION PROCEDURES

The engineering evaluation follows the recommendations of API-653 including:

- 1. Internal corrosion due to the product stored or water bottoms.
- 2. External corrosion due to environmental exposure.
- 3. Stress levels and allowable stress levels.
- 4. Properties of the stored product such as specific gravity, temperature, and corrosively.
- 5. Metal design temperatures at the service location of the tank.
- 6. External roof live load, wind, and seismic loading.
- 7. Tank foundation, soil and settlement conditions.
- 8. Chemical analysis and mechanical properties of the materials of construction.
- 9. Distortions of the existing tank.
- 10. Operating conditions such as filling/emptying rates and frequency.

TANK HISTORY

Tank No. 552 was originally built at another site and was cut down and re-erected at International Petroleum in 1989. It is 50' in diameter and 34' in height. Product is limited by the shell height to 34' -0" nominal height. The nominal liquid storage capacity is 12,000 barrels. This tank has a flat bottom and a single column supported fixed cone roof. TEAM performed an Out-of-Service Baseline Inspection on this tank in October 1996, and an In-Service Inspections in June 2002 and 2007.

STRUCTURE DESCRIPTION

The following information was furnished to us or observed:

Manufacturer:	Unknown
Year Re-constructed:	1989
Capacity:	12,000 BBL Nominal
Tank Diameter:	50' -0"
Tank Height:	34'
No. Shell Courses:	6
Rim Angle:	2 1/2" x 2 1/2" x 3/8" Angle Out

FCC Environmental – Plant City, Florida API-653, In-Service Inspection Report

Tank 552

Type Floor: Type Fixed Roof: Material:	1/4" Lap Welded Plate Single Column Supported Cone/Lap Welded Plate Unknown-Carbon Steel
Design:	Unknown
Specific Gravity:	Unknown
No. of Columns:	1
No. of Rafters:	24
Insulation:	None
Product Stored:	No.5 Fuel Oil

INSPECTION OBSERVATIONS

Tank Shell

UTM's were taken on the tank shell at five readings per plate on the bottom course and three readings per course on the upper courses. All readings are similar to those taken at the last inspection. This tank was originally built at another site and was cut down and re-erected at this site in 1989. The cuts were made at the original weld seams and the plates were butt welded together again. Shell plate peaking, banding, buckling and flat spots are apparent, as is common with a re-erected tank. Although unsightly, these deformities should not affect the structural integrity of the tank.

Roof/Structural

Ultrasonic Thickness Measurements (UTM's) were taken on the roof. The 2007 roof thickness ranged from 0.208" to 0.248" with an average of 0.230". The roof plate thicknesses taken during this inspection ranged from 0.189" to 0.227" with an average of 0.206". It appears that the roof has suffered some metal loss, and should be monitored. There are some areas of corrosion present on the rim angle. The roof appears to be in fair overall condition.

Accessories

See the attached shell and roof layouts attached to this report for a schedule and locations of all attached appurtenances.

All accessories were found to be in good condition.

Foundation and Site

The tank rests on a concrete slab foundation. An elevation survey was performed on this tank around the exterior. The results of the survey are shown on the attached chart entitled "Perimeter Elevations". The elevations were analyzed and found to be within the limits of API-653.

Coating Condition

The exterior coating is in fair overall condition. Corrosion was found on the rim angle of the tank. This corrosion should be mitigated to prevent further metal loss. The roof coating is in poor condition. The roof should be recoated in the next two to three years. FCC Environmental – Plant City, Florida API-653, In-Service Inspection Report

Tank 552

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ENGINEERING EVALUATION

Tank Shell Design Analysis

Since original information is unavailable, we must assume the lowest grade of steel was used, which is A-283 Gr. C. As presented in API Standard 653, an allowable stress of 23,595 pounds per square inch (psi) for tank courses 1 and 2 allowable stress of 25,960 psi for tank courses 3 through 6 and a joint efficiency of 85% (.85) was used in the following formula to calculate the minimal required shell thickness for each shell course.

$$t_{\min} = \frac{(2.6)(D)G}{SE}$$

Where:

 $t_{min} =$ Shell Thickness

h = Datum Height to bottom of ring

- S = Allowable Stress per API-653 (23,595 psi Course 1-2, 25,960 psi Course 3-5)
- D = Nominal Tank Diameter (50 feet)

G = Specific Gravity (1.0)

E = Joint Efficiency (85%)

The results of the tank shell design analysis are presented below.

SHELL DESIGN DATA

Shell Course No.	Shell course Height (inches)	Datum Height (feet) (b)	Original Plate Material	AP1-653 Min, Thick. (inches) (E=0.85)	2002 Average Measured Thickness (inches)	2007 Average Measured Thickness (inches)	2012 Average Measured Thickness (inches)
1 Btm	72	34	Unknown	0.220	0.250	0.249	- 0.252
2	72	28	Unknown	0.181	0.249	0.252	0.255
3	72	22	Unknown	0.129	0.242	0.242	0.245
4	72	16	Unknown	0.100*	0.240	0.243	0.239
5	72	10	Unknown	0.100*	0.242	0.241	0.242
6 Тор	48	4	Unknown	0.100*	0.237	0.237	0.245

*API-653 Standard requires no shell course be less than 0.100"

As presented above, this tank exceeds the API Standard 653 minimum allowable shell thickness for all courses.

Roof Analysis

No external pitting or corrosion was found on the roof plates during this inspection. The tank has experienced some thinning since the last inspection. This roof appears to be in fair condition.

FCC Environmental - Plant City, Florida API-653, In-Service Inspection Report

Tank 552

July 2012 Page 7

Dimensional Tolerance Analysis

No significant non-conformance's to API Construction Standards were found.

Brittle Fracture Analysis

This tank has demonstrated the ability to withstand the combined effects of maximum liquid level and lowest operating temperatures without failing for at least twenty-three (23) years. Based on the location of the tank in Central Florida, the risk of failure due to brittle fracture with continued service is minimal.

Further evaluation is required if there is a change in service, or if additional repairs/alterations are made that do not meet the requirements of API-653, or if deterioration of the tank has occurred.

Tank Settlement Analysis

Elevation readings were taken around the tank perimeter. The tank elevation readings are within the range of API-653 App B requirements. See attached elevation charts for more detail.

CONCLUSION

This tank meets the requirements of API-653 "Suitability for Service" and State of Florida Department of Environmental Protection Rule 62-762. This tank is suitable for continued service.

The next Out of Service inspection required by API 653 and the FDEP will be required at or prior to January 2016. The API 653 and FDEP require the Owner to inspect the tank monthly. If the tank is taken out of service at any time prior to the next required Out of Service Inspection, an Out of Service Inspection must be performed.

RECOMMENDATIONS

Mandatory Repairs/Renovations Required To Meet API-653 and/or FDEP Requirements:

1. None at this time.

Non-Mandatory Recommendations:

- 1. Mitigate corrosion on chime and rim angle.
- 2. Blast and Recoat the roof.

This report of In-Service Inspection should be placed in the notebook provided with the Baseline inspection.

We appreciate the opportunity of performing this inspection service for you. Should you have any questions regarding the information contained herein, please do not hesitate to contact us.

FCC Environmental – Plant City, Florida API-653, In-Service Inspection Report

Tank 552

July 2012 Page 8

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-END OF REPORT -

TEAM Consultants

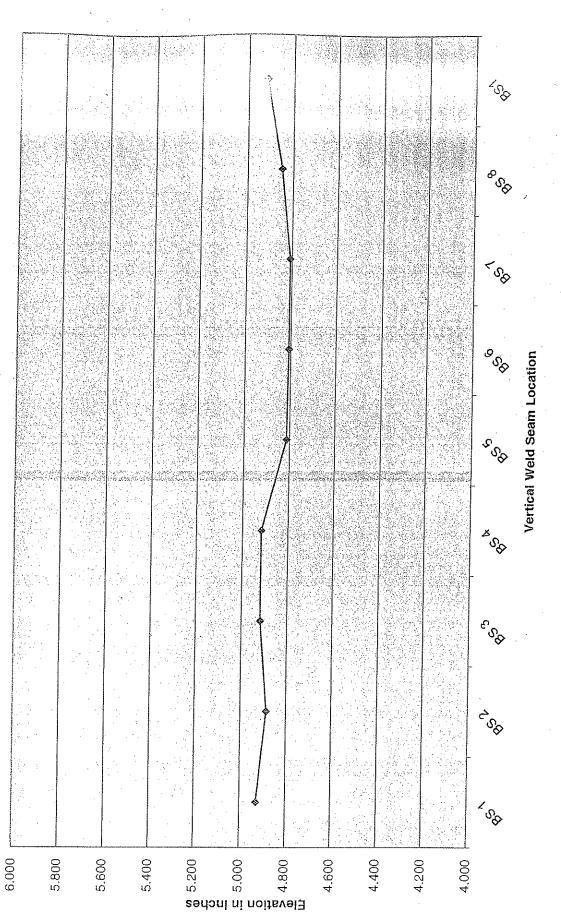
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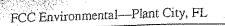


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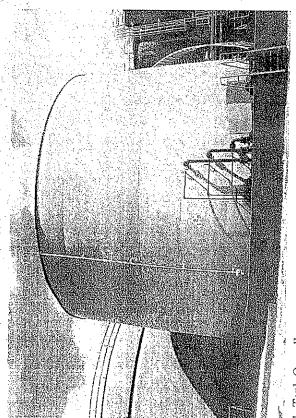
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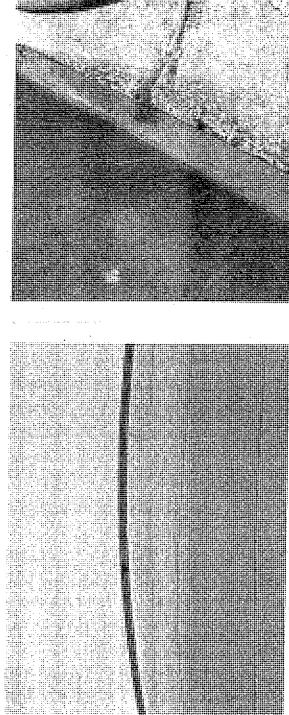




2. Tank Manway.



I. Tank Overall.

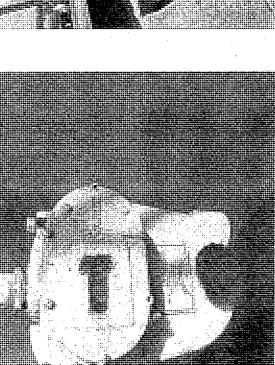


3. Corrosion on Rim Angle.

4. Tank Ground.

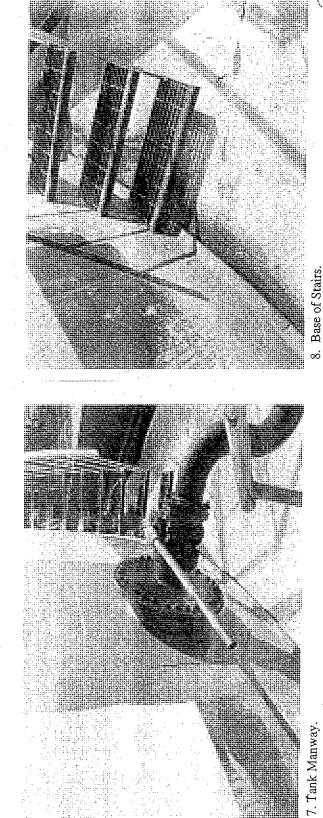
TEAM's Project # 12-0792

Tank 552



Liquid Level Indicator.

6. Tank Nozzles.

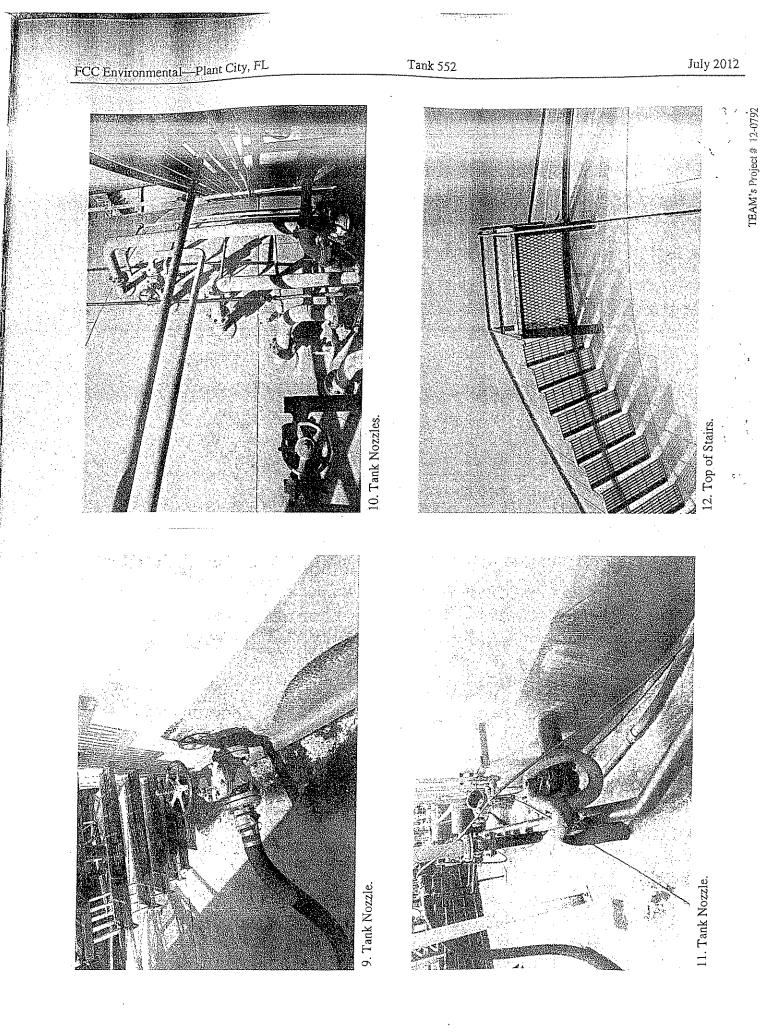


Tank 552

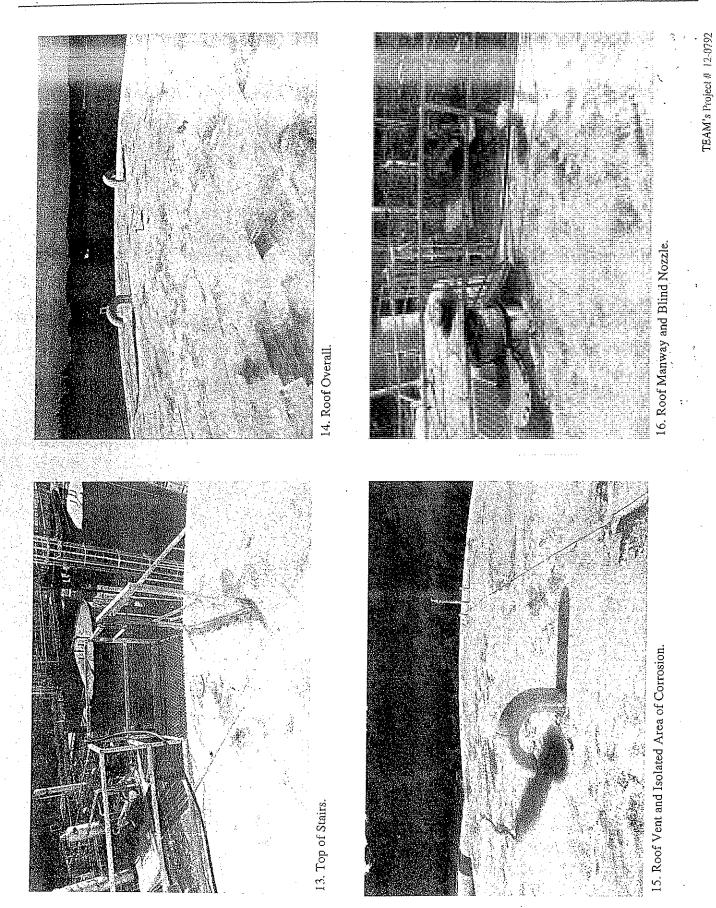
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VERSION



USED OIL PROCESSING PERMIT APPLICATION

PLANT CITY FACILITY

FCC Environmental, LLC Plant City, Florida

JUNE 2013

USED OIL PROCESSING PERMIT APPLICATION PLANT CITY FACILITY

> FCC ENVIRONMENTAL, LLC PLANT CITY, FLORIDA

> > JUNE 2013

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FCC Environmental, LLC

PLANT CITY, FLORIDA

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Part I	Application	Form for a	a used Oil Pro	cessing Facili	ty Permit
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- Part II.....Certifications (DEP Forms 62-710.901(a-d))
- Attachment 1.....Facility Description

Table 1.1 Tank Table

Attachment 2.....Process Description

Figure 1: Site Location Map

Drawing 801-C-001: Detailed Site Plan

Figure 2: Site Plan

Facility Photographs

Attachment 3.....Waste Analysis Plan

Sample of On-Specification Oil Analysis

Attachment 4.....Sludge, Residue, and Byproduct Management Description

Attachment 5.....Tracking Plan

Sample Documents

Shipping Document / Service Order

Service Activity Report

Permanent Daily Report Sheet

Daily Tank Inventory

Attachment 6.....Preparedness and Prevention Contingency Plan

Spill Prevention, Control, & Countermeasure Plan (February 2008)

Fire Protection and Emergency Action Plan (February 2008)

Attachment 7.....Unit Management Plan

Table 7.1 Tank Table

Attachment 8.....Closure Plan

Table 8.1 Tank Table

Table 8.2 Closure Cost Decontamination Cost Estimate

Attachment 9.....Employee Training

Employee Training Matrix